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ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XIII,

NEW YORK, NOVEMBER 14, 1923

NUMBER 20

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In This Issue { *Is Your Imported Dye Competitive?*
What Do You Know About Imports?



Salt Cake



Phenolphthalein



Phenacetin - Caffeine



Aspirin



Glycerophosphates



Saccharin



Vanillin - Coumarin



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Boston Philadelphia Providence Chicago Charlotte San Francisco

ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

PUBLISHED EVERY WEDNESDAY BY

DRUG & CHEMICAL MARKETS, INC.

WILLIAMS HAYNES, President

IRA P. MACNAIR, Secretary F. F. BURGIN, Treasurer
Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay Cable Chemmarket

Home Life Bldg., Washington, D. C.

80 Fenchurch st., London, E. C. 3.

19 Rue Auber, Paris

40 Gr-Burstah, Hamburg

18 Yamashita-cho Kyobashi-Ku, Tokyo

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

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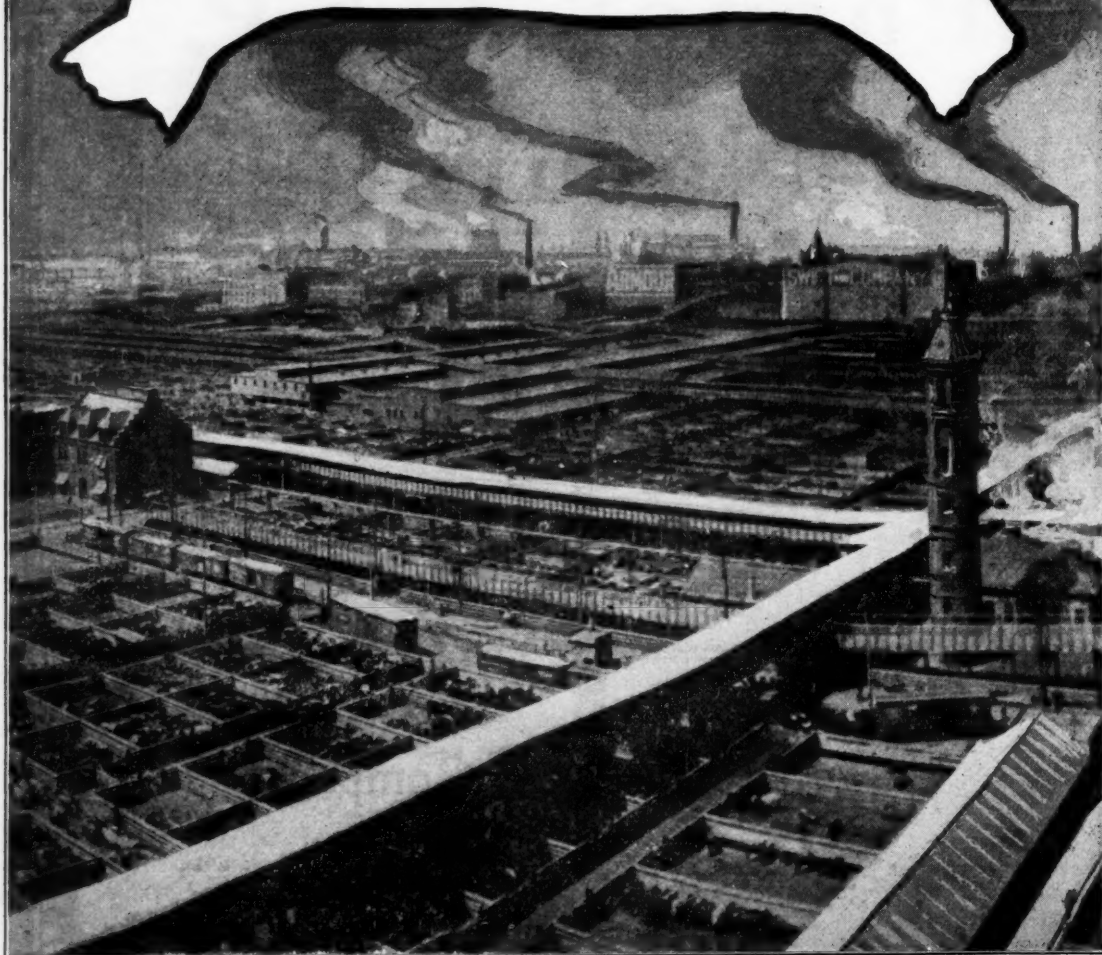
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DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XIII, NUMBER 20

[NOVEMBER 14, 1923]

"WHY A CONTRACT AIN'T"

Almost as many answers to this provoking question were forthcoming, at the Salesmen's meeting last week, as there were speakers in the informal discussion. Philip S. Tilden pointed out the poor policy of soliciting business from a consumer under contract with a competitor. Milton Kutz warned against pressing sales to the point of super-saturating the market. Charles Stone would simplify contract agreements to insure against misunderstanding. E. J. Barber inclines to short-term contracts capable of easy fulfillment. R. P. Dunning emphasized a more wholesome respect of the obligations imposed on all concerned by a sales agreement. Edward A. MacKinnon would have the research chemist solve the problems of overproduction.

Thrown into the common pot, boiled down with the sparkling fires of debate, the men who are actually selling our chemical contracts are of the opinion that we should revise the old proverb "*Caveat emptor*" to "Let the seller beware."

"This is solid food for thought"—Let the seller beware of trying to sell a war-time production in peace-time markets. Let him beware of ruining prices in efforts to get more than his due and proper share of the actual consumption. Let him beware of making concessions to get a signature on a contract that has, through his concessions, become only an option to buy. Let him beware of price declines based upon the reports of salesmen who use low competitive prices as an alibi. Let him beware of declaring ruinous war within the boundaries of the chemical industry.

Then, let him actively strive to sell his products, not by price alone, but on a basis of quality and service. Let him respect jealously his own rights, the rights of his customers and the rights of his competitors, which are created under legal and binding sales documents.

If this sounds high-flown and preachy—well, the contract problem is, after all, fundamentally a moral one.

FRANCE TO HAVE A DYE TRUST?

Is France building a dye kartel to rival the German syndicate? The merger of *Compagnie Nationale des Matieres Colorantes* with *Etablissements Kuhlmann*, of Lisle, which controls coal supplies and produces intermediates, gives the new company a vertical industry from crudes to finished products, making it economically self-sufficient. Financially the syndicate or kartel is sound.

Both *Compagnie Nationale* and *Etablissements Kuhlmann* are capitalized at 100,000,000 francs. *Etablissements Kuhlmann* has reserves of 67,000,000 francs and *Compagnie Nationale* reserves of 12,000,000 francs. The French Government aided *Compagnie Nationale* when it was established in 1917 in order to make France independent of Germany so far as dyes were concerned.

The activity of French chemists and chemical engineers in the Ruhr, where they made searching investigations at the time the German dye plants were seized, is explained by the merger. The Government has gathered a mass of information about the German Kartel and the methods by which the separate plants are managed to produce dye-stuffs economically and without unnecessary duplication of output. In addition to intermediates, mineral acids and dyes, the combined French interests will make pharmaceutical products, materials for tanning and glass-making, and fertilizers. The company will be able to supply the textile, leather, rubber, paper and glass industries and furnish the farmers with nitrate and phosphate material, ensuring a supply of food for the people under all conditions. The war taught the nations of the world many lessons, but the most important one was the necessity of a chemical and dye industry to make them independent of other countries.

THE DEMAND FOR ARSENIC

Arsenic is again occupying the center of the stage in industrial chemicals. This important commodity several times has been the only interesting feature in an otherwise dull chemical market. The rapid rise in the price of white arsenic during the past month or two has brought out the fact that a world scarcity of arsenic again exists. Domestic producers apparently have a limited amount and are not in a hurry to dispose of their whole production. It is understood that they are sold up for this year and are proceeding slowly in the matter of selling too far ahead at this time when arsenic prices are on the upgrade.

Japanese material has been more difficult to obtain this year. The recent earthquake in Japan no doubt has had some effect upon production in that country. Then, too, the slowness with which calcium arsenate was absorbed made the future of arsenic somewhat doubtful. At any rate there seems to be little arsenic coming out of that country this year. Germany, too, has been short of arsenic and prices have been consistently high.

During the summer months arsenic was being exported from this country when the price had fallen below the prices in other countries. With arsenic needed here and free from duty in order that it may be brought in and sold as cheaply as possible, it seems inconsistent to allow the material to be exported with knowledge of world scarcity and complaint of high prices for insecticides fresh in mind.

The latest development, and which appears to have had some effect upon the arsenic market, is the announcement by American Smelting & Refining Co. of its entrance into the field of insecticide manufacture. This step, if successful, will no doubt be of material benefit to the country. Most of the domestic arsenic is sold directly to insecticide manufacturers and is less speculative than the imported material. With the largest domestic producer of arsenic making its own calcium arsenate it can readily be seen that lower priced arsenate should be available for the cotton planters in the South. Other makers of calcium arsenate would be forced to buy their arsenic at low figures in order to compete in the field and the skyrocketing of arsenic prices would be less likely to take place. In all events the move appears to be the most constructive that has taken place in the arsenic and calcium arsenate field since it has risen to its present importance.

Secretary Mellon's recommendations for tax reductions will be commended by business men and manufacturers as a stimulus to business. Individuals as well as corporations will benefit by the proposals if adopted by Congress, because a cut of 25 per cent in the tax on earned incomes is recommended. The vexatious taxes on telegrams, telephones, and admissions would be repealed entirely. Surtaxes, also, would be reduced by beginning the tax at \$10,000 instead of \$6,000 and scaling them upward to 25 per cent on \$100,000. As pointed out in a recent issue of *DRUG & CHEMICAL MARKETS*, the excessive surtaxes have been a failure. While the loss in revenue will be large, if the new schedule is approved, the gain in business and in increased returns on personal incomes will offset the differences in receipts from these particular sources.

The questions concerning imports of crude drugs and chemicals, issued by the National Foreign Trade Council, are so varied in scope and cover such a wide range of manufactures that many persons actively engaged in foreign trade may not be able to answer all of them. The list serves to draw attention to the opportunities for doing business in other parts of the world and may interest manufacturers who are using large quantities of imported material in buying direct instead of through middlemen, and thereby reducing their costs of production. The Foreign Trade Council's paper is reproduced in this issue of *DRUG & CHEMICAL MARKETS* so far as it relates to drugs, chemicals, dyes and oils.

The tariff act of 1922 has been called into service by Grasselli Chemical Co. to prevent the importation of dyes similar to colors being made here under patents seized during the war and sold by the Government to an American company. The clause in the tariff which promises protection to American manufacturers is in effect that it is unlawful to import merchandise bearing a trademark owned here and registered in the Patent Office by a person domiciled in the United States. The case is being watched with great interest by the trade as the first action of this nature brought by an American company.

Germany's output of dyes in August, the latest report available, is only slightly in excess of the production in July which was about 9 million pounds. The July total was 9,032,286 pounds, June 8,862,154, May 7,454,092. There is little probability that this rate of production can be kept up with civil war raging in sections outside the Ruhr, and some plants in the occupied district closed down because of inability to pay wages owing to the depreciation of the mark. The situation probably accounts for the increase in dye imports from Switzerland, France and Italy.

In addition to the October imports of dyes, the Chemical Division of the Department of Commerce co-operating with the Tariff Commission, has furnished *DRUG & CHEMICAL MARKETS* with a list of dyes imported in September which have been classified as competitive or non-competitive since the publication of the September imports. The list is published at the end of the October import list, and manufacturers and importers will be interested in learning the rate of duty each color will be assessed under the new tariff.

Many Men: Many Minds

"How do you find business?"

"I go out after it."—R. T. Anthony, Henry W. Peabody & Co.

Gustavus Ober, president National Fertilizer Association, says: "The principal reason for the present unfortunate condition in the fertilizer industry is traceable to the war. As in all other lines, rapid expansion was necessary to meet the unprecedented demands upon the industry and it flourished under these abnormal conditions. Then with peace came the need for readjustment, and this need never has been entirely filled."

Prof. J. H. James, of Carnegie Institute of Technology, says America's supremacy over Germany in the dye industry is a question of a few years only. He adds: "It would appear to be the part of wisdom, since a well-developed organic chemical industry is absolutely essential as a part of national preparedness, that the government should see to it that we have at all times all of the encouragement possible given to these firms engaged in this line. Furthermore, since the biggest users of colors are the textile manufacturers, it would seem that these men themselves should have engaged long ago in the manufacture of colors, thereby getting them at cost."

What Do You Know About Imports?

American Manufacturers Draw on All Parts of the World for Crude Matériaux Vital to Many Key Industries

EVERY time any person in the United States receives or spends a five cent piece his convenience has been served by our import trade. The common name of the coin, a "nickel", explains why. Nickel is the metal out of which the five cent piece is coined. The Indian on one side and the buffalo on the other are native American products, but the nickel was not mined in the United States. It came to us as one of our imports, from Canada or from New Caledonia—an island in the South Pacific Ocean. The nickel found in this country is so small in amount as to be commercially negligible.

Probably no American basic industry, after agriculture, is more popularly regarded as "self-contained" than the steel business. Yet the entire industry is dependent on imported manganese, and some branches, such as tinplate making, and some of the special steels, like nickel steel, are wholly dependent on foreign supplies.

Imports Used in Steel

The basic steel industry of the United States is dependent for its continuation upon supplies of iron ore or pig iron, scrap iron and scrap steel, manganese ore or manganese alloys, ferro-silicon, and coking coal. Of these basic supplies, the manganese is obtained chiefly from Brazil and British India, while the other metals are imported regularly to supplement domestic production.

In the manufacture of different special steels it is essential to use the ores of nickel, tungsten, vanadium, molybdenum, chromium, and other ferro-alloys. Of these supplies, nickel is obtained almost entirely from foreign sources; tungsten, vanadium, molybdenum, chromium and other ferro-alloys are imported in varying quantities to supplement the domestic supply.

Tinplate and terneplate are coated with tin that is wholly imported; and imported palm oil is essential to this manufacturing process. Other supplies for various branches of the steel and tinplate business which are either regularly or occasionally imported include: aluminum, antimony, fluorspar, graphite, lead, magnesite, pyrites, and zinc. In 1921 the United States produced only four tons of tin in the whole of its domains. The remainder of the vast quantity which we used came from foreign lands, chiefly from the Malay Peninsula through the Straits Settlements, partly from China and

If you can answer the following questions you are better informed than the average American, says the National Foreign Trade Council, Hanover Square, New York, which is sending out a pamphlet entitled "Our Imports and Who Use Them," for the purpose of interesting the public in foreign trade. A few of the chemical and drug questions follow; the answers are given in the pamphlet, which is also reproduced in part.

What is the principal metal in our 5 cent piece?

On what imported ore does our whole steel industry depend?

Where does tin come from?

Where does cork come from?

What is the core of a baseball made of?

Where do we get quinine? Sarsaparilla? Vanilla? Opium? Castor Oil? Ginger? Menthol?

Where does camphor come from?

Of what is celluloid made?

What drying oils are used in making paint?

Where do we get linseed oil? China-wood oil? Shellac?

What are the principal non-drying vegetable oils?

What is soap made of?

Where does asbestos come from?

Where do we get platinum?

What are the two most essential fertilizers?

Where do we get cocoa?

From what countries do we import three-quarters of our sugar?

partly from Bolivia. We imported more than 70,000 tons.

In 1921, the following quantities of fertilizer were imported (all in tons): nitrate of soda, 369,173; sulfate of ammonia, 4,677; bone dust, 21,516; lime nitrogen, 16,078; kainite, 69,076; manure salts, 38,648; muriate of potash, 71,109; sulfate of potash, 11,124; other fertilizers, 77,762. The two fertilizers most essential to the continuance of agriculture and horticulture are potash and nitrates.

The basis of the pottery industry is kaolin clay. There is very little good kaolin in America. What is produced here is so poorly mined and refined as to be negligible as a source of supply. It is, therefore, absolutely necessary for the crockery industry to import kaolin, mostly from England. From the same source we get Cornwall stone, used as a flux.

Enameling Materials

In enameled iron plumbing fixtures American manufacturers use assorted pig iron, which is imported by them in large quantities from Scotland and Belgium, and oxides of lead and zinc, which also come from foreign sources. Belgium supplies pebbles used as grinders, the Straits Settlements produce tin, while Greenland sends kryolite. Some of our manufacturers use several different materials, which originate in foreign countries in making porcelain enamel and china ware.

In the manufacture in this country of fruit jars, glass specialties, opal and amber ware for packers

and druggists, foreign sources are drawn upon to an important degree. Of the foreign materials utilized, the most important are aluminum, antimony, cobalt, boric acid, and lac. Bauxite, the ore from which aluminum is produced, is found in large deposits in France; Georgia furnishes most of the domestic supply. The ore from which antimony is extracted is known as stibnite, found principally in Japan, Austria, France, Hungary, Algeria, Turkey and Mexico. Some antimony comes from China; some is also found in California and Nevada. Cobalt is found in Europe and Canada. Boric acid comes from Italy, Germany and California.

What concern has Babe Ruth with foreign trade? All of us in the United States, and many persons in other countries, know Babe Ruth as a baseball player. It provokes a smile to suggest that he has any interest in our overseas commerce. Yet his professional existence depends absolutely on foreign trade. How? The

core of all baseballs is made of cork coated with rubber; neither cork nor rubber is produced in the United States.

Chemicals for Leather

Take a patent leather shoe. The imported horsehide that made the vamp was tanned in the United States, and bichromate of potash and quebracho from Argentina and Paraguay, were used in the tanning.

That shoe had an especially soft and fine tongue. Australia produced the kangaroo whose skin furnished that. Thus there was something from Asia, Australia, South America and Europe, as well as from the United States, in that shoe. And Africa furnished a part of it too, in the shape of some of the strange gums that went into the peculiar combination of queer things that were used in putting the brilliant black polish on the patent leather. That composition contains American lampblack and turpentine, amber from the shores of the Baltic Seas, and such gums as sandarac from Africa, divi-divi from Borneo, and tragacanth from Persia.

The different materials used in shoe polish are: French talc, African beeswax, Brazilian carnauba wax, India paraffine wax, Mexican candelilla, German colors and dyes, China clay and Turkish or Arabia gum arabic. Often the containers are printed and lithographed in Germany.

Crude Drug Imports

Among the more important import items in the crude drug line may be mentioned ipecac, from Colombia and Brazil; coca leaves from Peru; cinchona bark (quinine) from Java; nux vomica from India; jalap, sarsaparilla, vanilla, from Mexico and Central America; opium from China and India; ergot from Spain; cantharides and santalin from Russia. Castor oil comes from India. Camphor from Japan and China. Menthol is manufactured exclusively in Japan and is produced from peppermint oil. Red pepper comes from Japan, Spain and Africa; cassia from Hongkong and China; cloves from East Africa and South Africa; ginger root from West Africa and Jamaica; mustard from England; nutmegs from the Dutch East Indies and British West Indies; and black pepper from the Dutch East Indies and Straits Settlements; cinnamon, pimento and sage are also imported.

There are nineteen different materials, almost all of them in commonplace use among us, and in scores of ways, which are essential to the production of the telephone. They are aluminum, asphalt, coal, copper, cot-

(Continued on page 1323)

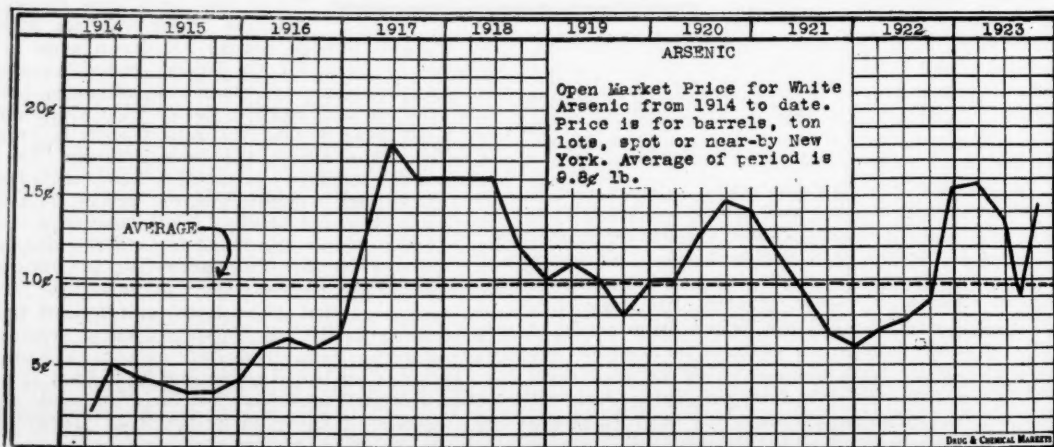
EUROPE DISLIKES CHEMICAL ENVOYS SAYS BOBST IN TALK TO SALESMEN

Commerce Department and Tariff Commission Representatives Abroad Resented by Foreign Chemical Manufacturers—Milton Kutz and P. S. Tilden Cite Overproduction as Basis of Contract Violations

American representatives of the Department of Commerce and the U. S. Tariff Commission in their efforts to unearth data on production costs for chemicals in the countries of Europe are causing much resentment on the part of foreign producers against the American industry, said Elmer H. Bobst, general manager, Hoffmann-LaRoche Chemical Works, New York, in an address before the opening meeting of the Salesmen's Association of the American Chemical Industry, Nov. 8 at the Builders' Club, New York. Mr. Bobst who has just returned from a trip through the chemical centers of Europe said that the sentiment against the American tariff was very bitter, and that visits of Government data collectors aggravated this bitterness.

"They ask not only for balance sheets and various other data involving quantities of this or the other product manufactured," Mr. Bobst said in part, "but also show what appears to me a tremendous lack of discretion in asking for the most private sort of information concerning processes and even manufacturing costs. The European manufacturer naturally asks the reasons why they wish all of such private information, and then they are told that it is because the question has arisen in the United States as to whether the tariff on this or that commodity should not be increased. Of course, to the European manufacturer it all sounds preposterous. He is asked to give valuable information of the most private sort and if he does not accede to the request he knows that he will probably later on receive another slap in the face. I was informed that in some cases where information of any character was absolutely refused, the concerns were told that if it was not forthcoming an embargo would be put on any of their shipments to the United States. Naturally the feeling toward the United States is not going to be much improved by these visitations of the various special commissions appointed. The belief on the part of some of the European manufacturers is that these commissions are actually acting in a veiled manner for private manufacturing interests in the United States, even though they are sent under the auspices of the

(Continued on page 1325)



Imports of Dyes Larger in October

Five Colors in the Lead Are Xylene Light Yellow, Indanthrene Green B, Alizarin Rubinol, Alizarin Red, and Indanthrene Blue BC—Switzerland Sends 31 Per Cent, Germany 29 Per Cent and France 23 Per Cent—Many Dyes Imported in September Have Been Classified as Competitive or Non-Competitive

Imports of coal-tar dyes for October totaled 267,556 pounds, with an invoice value of \$257,084, according to the report of the Chemical Division, Department of Commerce and the U. S. Tariff Commission. The five dyes leading in quantity imported were Xylene light yellow, Indanthrene green B, Alizarin rubinol, Alizarin red, and Indanthrene blue BC. Of the total quantity imported in October, 1923, 31 per cent came from Switzerland, 29 per cent from Germany, 23 per cent from France, 11 per cent from Italy, 4 per cent from England, and 2 per cent from other countries.

The imports of synthetic aromatic chemicals for Oc-

tober totaled 3,533 pounds, with an invoice value of \$10,372. The imports of medicinals, photographic developers, and other coal-tar chemicals for October totaled approximately 29,700 pounds, with an invoice value of \$21,749, and the imports of color lakes totaled 1,220 pounds with an invoice value of \$519.

The dyes in this report are grouped by Schultz numbers and, in the case of those which could not be identified by Schultz number, the classification according to ordinary method of application was adopted. As the pastes and powders of the vat dyes vary widely in strength and quantity, each vat dye has been reduced—in nearly every case—to a single strength basis.

The designation "c" for competitive and "nc" for non-competitive indicates the appraisal basis for the assessment of the ad valorem duty in paragraph 28 of the Tariff Act of 1922. Those dyes without designation are doubtful, pending further investigation.

The key to abbreviations:

- The six leading German Companies
 - A....Actien-Gesellschaft fur Anilin-Fabrikation, Berlin. Founded 1873. Branches in France and Russia.
 - B....Badische Anilin- und Soda-Fabrik, Ludwigshafen on the Rhine. Founded 1862. Branches in France and Russia.
 - By....Farbenfabriken vorm. Friedr. Beyer & Co., Leverkusen on the Rhine. Founded 1862. Branches in France and Russia.
 - C....Leopold Cassella & Co., Frankfurt on the Main. Founded 1870. Branches in France and Russia.
 - K....Kalle & Co., A. G., Biebrich on the Rhine. Founded 1870. Branches in Russia.
 - M....Farbwerke vorm. Meister Lucius & Bruning, Hoechst on the Main. Founded 1862. Branches in France and Russia.
- The seven smaller German Companies
 - BK....Leipziger Anilinfabrik Beyer & Kegel, Furstenberg near Leipzig. Founded 1882.
 - GG....Chemikalienwerk Griesheim G.m.b.H., Griesheim on the Main. Founded 1881.
 - CJ....Carl Jager G.m.b.H., Anilinfabrik, Dusseldorf. Founded 1823.
 - GrE....Chemische Fabrik Griesheim-Electron, Offenbach on the Main. Founded 1842.
 - L....Farbwerk Mulheim vorm. A. Leonhardt & Co., Mulheim on the Main. Founded 1870. Branch in France.
 - tM....Chemische Fabriken vorm. Weiler ter Meer, Uerdingen on the Rhine. Founded 1877.
 - WD....Wulfig, Dahl & Co., A. G. Barmen. Founded 1842.
- Dutch, Belgian and French Companies
 - FA....Farbwerk Ammersfoort, Ammersfoort, Netherlands. Founded 1888.
 - NF....Niederlandische Farbe- und Chemikalienfabrik Delft, Netherlands (Delft). Founded 1897. Branch in Russia.
 - LG....Lazard Godchaux, of Brussels. (These products are probably compounded largely from the dyes made by A. Wiescher & Co., of Haeren, Belgium.)
 - P....Societe Anonyme des Matieres colorantes et produits chimiques St. Denis (formerly A. Poirrier), St. Denis, near Paris, France. Founded 1830.
- Swiss Companies, all at Basel
 - DH....Farbwerke vorm. L. Durand, Huguenin & Co. Founded 1871. Branches in Germany and France.
 - G....Anilinfarben- und Extract-Fabriken vorm. Joh. Rud. Geigy. Founded 1764. Branches in France, Germany, and Russia.
 - I....Gesellschaft fur chemische Industrie. Founded 1883. Branch in France.
 - S....Chemische Fabrik vorm. Sandoz & Co. Founded 1887.
- English Companies
 - ClCo....The Clayton Aniline Co. (Ltd.), Clayton, near Manchester. Founded 1876.

CR....Claus & Co. (formerly Claus & Ree), Clayton, near Manchester. Founded 1890.
 CV....Colne Vale Chemical Co., Milnsbridge, near Huddersfield.
 RHS....Read Holliday & Sons (Ltd.), Huddersfield. Founded 1830. (Purchases by British Dyes (Ltd.).)
 BD....British Dyes (Ltd.). Founded 1915.
 Lev....Levinstein (Ltd.) Crumpsall Vale, near Manchester. Founded 1864.
 Q....Importations of unknown source through dealers in colors.

The list of dyes follows:

Schultz No.	Dye & Maker	Quantity Pounds
22	Xylene light yellow.....	17,626
46	Azophor orange.....	10
	Fast orange R base pdr.—GrE.....	
48	Alizarin yellow G.....	55
	Alizarin yellow GD—S.....	
58	Alizarin yellow R.....	55
	Ultra orange R—S.....	
88	Acid anthracene brown.....	110
	Acid anthracene brown R—c—By.....	
118	Geranine.....	82
	Brilliant geranine B.....	
121	Erica B.....	656
	Erica B extra—c—A.....	
124	Janus green.....	10
	Janus green B—nc—M.....	
220	Palatine black.....	1,000
	Wool black GRF—A.....	
273	Diaminogene blue.....	8,096
	Diaminogene blue NA—C.....	
274	Diaminogene.....	1,986
	Diazo indigo blue BR—By.....	
	Diazo indigo blue 2RL—By.....	
283	Bismark brown.....	2,000
	Bismark brown 47—nc—Q.....	
295	Cotton yellow.....	439
	Benzo fast yellow RL—c—B.....	
319	Cotton yellow, conc.—B.....	772
	Diamine scarlet.....	
358	Triazol red 3B—GrE.....	500
	Acetopurpurine 8B—A.....	
408	Azophor blue.....	10
	Fast blue B base pdr.—GrE.....	
424	Chicago blue 6B.....	4,003
	Chloramine sky blue FF—S.....	
449	Trisulphon brown.....	2,976
	Trisulphon brown B conc.—nc—S.....	
505	Light green (yellowish).....	88
	Light green SF yellowish XX—B.....	
506	Erioglaucine.....	2,205
	Erioglaucine AP 545—nc—G.....	
507	Xylene blue VS.....	3,002
	Xylene blue VS conc.—S.....	
518	Ethyl purple.....	2,702
	Ethyl violet—nc—B.....	
522	Victoria blue 4R.....	331
	Victoria blue 4R—I.....	
523	Fast green.....	1,598
	Fast green extra bluish—By.....	
532	Alkali violet.....	10
	Alkali violet 4BNOO—Q.....	
543	Patent blue V.....	2,215
	Carmine blue V—c—I.....	

Schultz No.	Dye & Maker	Quantity Pounds
545	Patent blue A.....	1,772
	Brilliant acid blue A—c—By.....	
	Brilliant acid blue FF—By.....	
559	Victoria blue B.....	50
	Victoria blue B extra conc.—Q.....	
563	Fast acid blue.....	1,102
	Fast acid blue RBF—nc—I.....	
565	Acid blue B.....	200
	Wool blue 2B—c—A.....	
571	Rhodamine 6G.....	1,384
	Rhodamine 6G extra—I.....	
	Rhodamine 6GD extra—Q.....	
	Rhodamine 6GDN extra—nc—Q.....	
573	Rhodamine B.....	1,119
	Rhodamine B extra—c—Q.....	
602	Acridine yellow.....	220
	Acridine golden yellow 2G—nc—L.....	
603	Acridine orange.....	220
	Acridine orange DHE—c—DH.....	
606	Phosphine.....	5,968
	Phosphine 3R—nc—A.....	
	Patent phosphine G—I.....	
	Corphosphine OX extra—nc—By.....	
608	Euchrysine.....	83
	Euchrysine GRNTN—B.....	
612	Quinoline yellow (spirit soluble).....	20
	Quinoline yellow—By.....	
613	Quinoline yellow.....	50
	Quinoline yellow O—c—M.....	
618	Thioflavine T.....	1,000
	Basic yellow T—C.....	
635	Modern violet.....	220
	Modern violet—DH.....	
637	Gallamine blue.....	5,390
	Gallamine blue extra paste—nc—G.....	
640	Cotton blue.....	1,100
	Meldola blue 3R conc.—S.....	
668	New Methylene blue.....	417
	New methylene blue N—P.....	
700	Nigrosine (soluble in water).....	70
	Nigrosine WLG—B.....	
712	Kryogene yellow G.....	10
	Sulphur yellow G extra—A.....	
734	Pyrogene yellow.....	551
	Pyrogene yellow M—I.....	
739	Anthravavone G.....	1,753
	Anthravavone G paste—nc—B.....	
	Anthravavone GC pdr.—nc—B.....	
	Anthravavone GC paste—nc—B.....	
760	Indanthrene golden orange G (single strength).....	6,963
	Indanthrene golden orange G paste—B.....	
	Indanthrene golden orange dbl. paste—nc—B.....	
761	Indanthrene golden orange R (single strength).....	2,915
	Indanthrene golden orange RRT paste—nc—B.....	
	Indanthrene golden orange RRT pdr.—nc—B.....	
	Indanthrene golden orange RRTS pdr.—nc—B.....	
765	Indanthrene green B (single stgh.).....	15,165
	Indanthrene black BB dbl. paste—c—B.....	
	Helindone black IRB pdr.—M.....	
767	Indanthrene violet RR (single stgh.).....	300
	Indanthrene violet RR extra paste—c—B.....	

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Nov. 10

	Bid	Asked		Bid	Asked
Air Reduction	63	64	Heyden Chem.	1	..
*Allied Chem. & D. 66	108	108	Hooker Electro.	55	65
*Allied Ch. & D., pf. 106	108	108	Hooker Electro. pf. 60	70	70
*Am. Ag. Ch.	113 1/4	12	*Household Products 30 1/2	31	31
*Am. Ag. Ch., pf.	34	35	*Int. Agricult.	5 1/2	1
*Am. Chiclé	15 1/2	16	*Int. Agricult., pf.	6	6 1/4
*Am. Chiclé, pf.	40	49	*Int. Nickel	11 1/2	12
*Am. Cot. Oil.	6 1/4	6 1/4	*Int. Nickel, pf.	80	83
*Am. Cot. Oil, pf.	19	19 1/2	*Int. Salt	76 1/4	80 1/4
*Am. Cyan.	73 1/2	77 1/2	*Mathieson Alk.	31	31 1/4
*Am. Cyan, pf.	73	78	Merck & Co., pf.	65	70
*Am. Druggist S.	8 1/2	6	Merrimac	96	..
Am. Glue	82	83	Mulford Co.	29	34
Am. Glue, pf.	124	126 1/4	Mutual Co.	150	..
*Am. Linseed	17 1/2	18 1/4	*National Lead	123 1/4	123 1/4
*Am. Linseed, pf.	30	33	*National Lead, pf. 110 1/2	112 1/4	112 1/4
*Am. Malt	12	13	N. J. Zinc	140	145
*Am. Zinc	8 1/4	8 1/4	Niag. A., pf.	96	100
*Am. Zinc, pf.	28 1/2	30	Parke, Davis & Co. 80	80 1/4	80 1/4
*Atlas Powder	52	53	Penn. Salt	89 1/4	92 1/4
*Atlas Powd., pf.	84 1/4	90	*People's Gas, Chi. 92	92 1/4	92 1/4
By. Prod. Co.	65	72	Procter & Gamble. 124	128	128
Carborundum	135	135 1/4	Procter & Gam., pf. 102	106	106
Carborundum, pf.	113 1/4	116	Royal Bak. Po.	125	128
Casein Co.	60	63	Royal Bak. Po., pf. 97	99	99
Celluloid Co.	81	85	Sherwin-Williams .. 29 1/4	..	..
Celluloid Co., pf.	107	110	Sherwin-W., pf.	101 1/4	..
Ches. Mfg.	220	230	Stand. Ch.	90	100
Ches. Mfg., pf.	108	114	Swan & Finch	27	30
Com'l. Solv. A.	29	30	*Tenn. C. & Chem.	9 1/4	9 1/4
Do B	21	22	*Tex. Gulf, Sul.	61 1/4	62 1/4
*Corn Products	130 1/4	130 1/4	Union Carbide	55	56
*Corn Products, pf. 115 1/4	117	117	Union Sulphur	76 1/4	77 1/4
*Davison Chem.	55 1/2	55 1/2	*Un. Drug	47 1/4	47 1/4
Dow Chem. non par. 46	47	47	*Un. Drug, 1st pf.	40	45
Dow Ch., pf.	96	96	*Un. Dyewood	40	45
Du Pont de Nem. 131 1/4	132	132	*Un. Dyewood, pf.	95	95
Du Pt de Nem. Db. 85 1/4	87	87	Un. Gas Imp.	53	53 1/4
Eastman Kodak	106 1/4	106 1/4	Un. Gas Imp., pf.	55	55 1/4
Eastman Kodak, pf. 109 1/4	109 1/4	109 1/4	U. S. Gypsum	80	80
*Freep. Tex., Sul. 11	11 1/4	11 1/4	*U. S. Indus. Al.	58 1/4	58 1/4
*Freep. Tex. Sul, pf. 91	93	93	*U. S. Indus. Al., pf. 94	98	98
*Grasselli	125	128	*Va.-Car. Ch.	8 1/4	8 1/4
*Grasselli, pf.	102	105	*Va.-Car. Ch., pf.	25 1/4	26 1/4
Hercules Powder	103	108	*V. Vivaudou	16 1/4	16 1/4
Hercules Powd., pf. 103	107	107			

*Listed on New York Stock Exchange

New Incorporations

Chemical Industry

Alcoro Chemical Co., New York, \$35,000. Chemicals. A. and C. A. Rogers. Representative, Delafield, Thorne & Burleigh, 27 Cedar st.

Spencer Chemical Co., New York, \$45,000. Chemicals. R. A. Mayman, W. M. Malisoff. Representative, J. E. Mayman, 1054 Park pl., Brooklyn.

Crown Chemical Co., Washington st., Newark, \$50,000. Manufacture chemicals.

North American Industries Corp., Wilmington, Del., \$100,000. Chemicals. Corp. Trust Co.

Consuming Industries

Bunny Products Co., Port Huron, Mich., \$60,000. Cleaning compounds. Chas. F. Lohrstorfer, Geo. E. Miller, Fred J. Rowe. DuBois Laboratories, New York, \$25,000. C. Gerson, F. W. Hoster, J. C. Mederco. Attorney, J. F. Driscoll, Albany.

Rolley System Life Extension Co., Wilmington, Del., \$500,000. Chemicals, drugs. Corp. Service Co.

Loth Products Corp., New York, 500 shares preferred stock, \$100 each; 100 common no par value. Make celluloid. G. F. Maguire, J. G. Daniel. Attorney, H. Woog, 45 Cedar st.

Producers and Consumers Foundation, Wilmington, Del., \$2-750,000. Motion pictures. Corp. Trust Co.

Cod Liver Products Co., Wilmington, Del., \$2,000,000. American Charter Co.

S. & P. Co., Wilmington, Del., \$100,000. Medicinal preparations. Charles G. Guyer.

Jell-O Co., Leroy, N. Y., \$50,000. Foods and beverages. E. L. and D. Woodward, J. G. Gilfillan. Attorneys, Harris, Beach, Harris & Matson, Rochester.

Marnita Chemical Co., Wilmington, Del., \$100,000. Medicines. Corp. Service Co.

Kelley Color Laboratory, 587 Summit ave., Jersey City, N. J. \$100,000. Photography.

Western Paper & Envelope Co., Long Beach, Cal., \$150,000. Carolina Wholesale Paint Co., Durham, N. C., \$100,000.

Wardensville Paint & Mineral Co., Wardensville, W. Va., \$100,000.

B. J. Mullikin Tire Co., St. Louis, Mo., \$250,000.

Beacon Tire & Rubber Co., New York, \$2,500,000. H. W. Paprocki, F. H. Butehorn, F. C. Taylor. Attorney, F. J. Knorr, Albany.

Emery Candle Co. of Ohio, New York, \$500,000. Representative, W. W. Kienzel, Woolworth Bldg.

DEVORE & RAYNOLDS CO. EARNS \$1,054,262

Devoe & Reynolds Co., Inc., reports net earnings before interest and discounts of \$1,045,262 and a balance of \$855,528 available for dividends on the \$2,000,000 7% preferred stock outstanding. The report covers the six months ended June 30. These earnings exceeded by about \$37,000 the profits of \$818,127 reported for the full year 1922.

The surplus earnings available after dividend payments in the first half this year have been used to further improve the company's already good financial condition. As of June 30, last, balance sheet showed net quick assets of \$5,310,375, an increase of \$688,282 from \$4,622,093 at the end of 1922. The ratio of current assets to current liabilities at the end of June was approximately six to one. The net quick assets were equivalent to \$265 a share on the \$2,000,000 preferred stock, compared with \$231 a share at the beginning of the year. Total net tangible assets applicable to the preferred stock as of June 30, 1923, was approximately \$400 a share.

Total capitalization consists of \$2,000,000 7% first preferred; \$935,500 second preferred and \$4,000,000 common stock. On its total capitalization of approximately \$7,000,000, Devoe & Reynolds promises to earn this year an average of about 17%, while on the first preferred alone the balance should run between 55% and 60%.

TO DEPOSIT COTTON OIL STOCK NOV. 26

The Stockholders Committee of American Cotton Oil Co. has issued the following statement: "On Sept. 20 a plan for the exchange of the stock of American Cotton Oil Co. for the stock of Gold Dust Corporation, was mailed to stockholders of record. Stock already has been deposited and arranged to be deposited in such amounts as to insure the participation in the plan of a large majority of both classes of stock. In order to permit a prompt execution of the plan and at the same time to give stockholders who have not yet deposited their stock an adequate opportunity to do so, the committee has fixed Nov. 26 as the date by which all stock should be deposited. Stock not deposited by that date cannot be assured of the opportunity to participate in the plan."

Commercial Chemical Co., Memphis, Tenn., manufacturers of calcium arsenate, recently issued 30,000 shares of stock through Jelke, Hood & Co., New York, to sell at \$15 a share. The company shows total assets of about \$1,117,000, and net quick assets of \$728,000. The purpose of the issue is to double the present capacity, complete the construction of the arsenic acid and steel container plants, and to furnish working capital to handle increased business.

Stock of Vegetable Oil Corp. amounting to 200 shares preferred and 100 shares common were sold at auction at 14 Vesey st., New York, for \$70; 503 shares Kingsport Color Corp., \$100; 4 shares \$1; and 500 shares common stock of Southern Phosphate Corp., \$3 a share.

Sherwin-Williams Co. has declared an extra dividend of 12 1/2c and the regular quarterly dividend of 50c on the common stock, both payable Nov. 15.

La-Lo Chemical Co., Providence, R. I., has increased its capitalization from \$200,000 to \$500,000 to provide for expansion.

Sonnenschein Chemical Co. has filed judgment for \$247.42 in New York county against Edward Kempf.

Kasebier-Chatfield Shellac Co., New York, has filed judgment for \$909.30 against Fletcher Record Co.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 1346

SODIUM PRUSSIATE DECLINES SHARPLY

Competition and Selling Pressure Keep Market Weak—Makers Advance Oxalic Acid—Arsenic Weakens Temporarily—Ammonium Sulfate Continues Weak—Bleaching Powder Unsettled—Alkalis Active

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Oxalic Acid, ¼c lb.	Advanced		Sodium Sulfide Crystals, ¼c lb.	
	Declined			
		Sodium Prussiate, Yel., Imp., 2c lb.		
		Potassium Prussiate, yel., 1c lb.		

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$1.24	\$1.24	\$1.24	\$1.14	\$1.19	\$0.7
Sulfuric Acid, 66 deg. ton	15.00	15.00	15.00	14.00	55.00	20.00
Ammonium Sulfate, 100 lbs.	2.90	3.00	3.15	3.25	7.50	2.65
Bleaching Powder...100 lbs.	1.35	1.35	1.50	2.00	9.50	1.30
Copper Sulfate...100 lbs.	4.80	4.80	5.00	5.90	20.00	4.50
Potash Caustic, imp....lb.	.07	.07	.07	.06	.87	.08
Soda Ash, 58 p.c....100 lbs.	1.94	1.94	2.00	2.00	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.66	3.66	3.70	3.70	9.50	1.42
Potassium Bichromate...lb.	.09	.09	.09	.10	.65	.06
Potassium Prussiate...lb.	.11	.13	.13	.21	1.25	.18
Average	3.014	3.021	3.056	3.065	10.79	2.99

General conditions in the market for industrial chemicals have shown little change during the week. Some makers report a better buying interest in the part of consumers while other factors say business is routine and confined to small orders for immediate delivery. A few large orders, however, have been consummated during the week which seems to indicate that some industries are beginning to prepare for a busier period during the winter months. Inquiries are becoming more frequent and some consumers are showing increased willingness to contract. With one or two exceptions prices remain practically at former levels.

Sodium prussiate underwent a sudden change with prices dropping abruptly under keen competition for the little business present. Arsenic had a temporary setback, last week, but seems to have recovered. Buying is less active, but with supplies limited present prices are expected to hold. Oxalic acid has been advanced by domestic makers. Sal ammoniac is firm. Ammonium sulfate is weak on slow demand and competition. Barium products are strong. Potassium prussiate is easier. Bleaching powder is still unsettled with prices at variance according to seller. Alkalis are moving well on contract for next year. Sodium sulfide crystals are higher. Bichromates are steady.

Acid, Acetic—No pronounced demand has been noticeable and buying is somewhat routine. Prices are unchanged at \$3.38@3.63 for 28%; 56%, \$6.75@7.00; 70%, \$8.38@8.63; glacial, \$12.78@13.53.

Acid, Muriatic—Supplies are somewhat plentiful under lessened demand but prices show no appreciable change. Twenty degree in tanks, \$1.00@1.10; carboys, \$1.25@1.50; 22 degree in carboys, \$1.75.

Acid, Oxalic—Increased demand is reported and makers have advanced their prices to 12c lb. at works. Spot prices at 12½c@13c lb. for domestic and 12c@12½c lb. for imported.

Acid, Sulfuric—Demand from consuming industries continues steady both for spot business and for con-

tracts over the coming year. Prices are holding steady with 66° in tanks at \$15.00@16.00 ton. Drums at \$1.10 @ \$1.25 and carboys at \$1.25@1.50; 60° at \$9.00@10.00 in tanks. Oleum is fair at \$17.00@19.00 ton in tanks and \$1.25@1.50 in drums.

Acetone—Stocks are reported in limited quantity and present prices are firm. Methyl, \$1.15@1.20 gal.; C.P., 25c@25½c lb.; acetone oil, \$1.25@1.30 gal.

Ammonium Chloride—A good turnover is going on but below the activity of a few weeks previous. Prices remain firm with imported white at 6½c@7c lb.; domestic, 7¼c@8c lb.; imported grey, 7½c@8c lb. and domestic, 8c@8½c lb. Lump, 13c@14c lb.

Ammonium Sulfate—The market is weak owing to a lack of demand and competition from foreign sources for business. Resale lots are in evidence much below makers prices. F.a.s. prices range from \$3.10@3.40; bulk quoted at \$2.90@2.95 at works; single bags, \$3.05 @ \$3.10.

Arsenic—The market weakened temporarily last week when prices fell to 13¾c lb. but recovered to 14¾c@14½c lb. Buying has quieted down as consumers delay purchases to watch the market. Very little is coming from Japan and European prices are named at 14½c lb. for shipment. Supplies are not large on spot and most of the present business is for future delivery.

Barium Products—The carbonate is in active demand and prices are firm at recent levels. Domestic makers are sold well ahead and imported material is scarce and high. Works, \$70.00 ton; Imported spot, \$75.00@77.00 shipment, \$70.00@72.00 ton. The chloride is firm at \$82.50@85.00 ton on spot and \$80.00@82.00 at works. Nitrate, 7½c@8c lb.

Bleaching Powder—The market is still unsettled owing to competition between makers. Business is openly reported at \$1.25 in drums at works though up to \$1.50 is quoted. Most producers are accepting business over next year at \$1.35 for carlots.

Copper Sulfate—A few large sales were reported at 4¼c@4½c lb. during the week. Export demand has been fairly good and seasonable. Domestic prices range from \$4.60 in carlots to \$4.80 for jobbing lots on spot.

Copperas—The market is less firm due to lower priced imported material in the market. No price changes are noted with makers quoting \$20.00@21.00 in bulk, \$23.00 in bags and \$25.00 in barrels.

Glauber's Salt—Buying is taking place in improved volume and supplies are better with the colder weather. Prices are holding at former levels at \$1.30@1.75 according to quantity. Imported is named at 85c@90c per 100 lbs.

Potash Caustic—Domestic material is off the market at present and imported is moving at 7c@7¼c lb. Shipments are named at 7c lb.

Potassium Prussiate—Continues easy with spot prices named at 25c@26c lb. for the yellow and shipment at 22½c lb., duty paid. Red held at 55c@58c lb.

Soda Ash—Consumers are placing contracts for delivery over next year at the new contract prices. Most makers are quoting 58% in carlots of bags at \$1.38 on contract. Dealers report steady business in smaller lots at \$2.04 in five bag lots delivered.

Soda, Caustic—Demand for alkalis is steady and large consumers are anticipating their requirements for the coming year. Deliveries are showing a steady increase in volume. Contract prices are named at \$3.10 for 76% solid in carlots at works. Ground and flake, \$3.50@3.60 works. Dealers' prices for small quantities at \$3.66, ex-warehouse, N. Y. Export is fair with prices at \$3.00@3.25 according to conditions.

Sodium Bichromate—One large sale was reported during the week and buying in general is said to be improving. Prices are quoted at 7½¢@7¾¢lb. according to seller and quantity.

Sodium Prussiate—Prices took a drop during the week as competition for business became very keen. Importers were quoting around 11¢lb. with sales reported as low as 10¢lb. for shipment this month. Domestic material is named at 13½¢lb., delivered.

Sodium Sulfide—Crystals have recovered and are now generally quoted at 2¢@2¼¢lb.; solid is unchanged at 3¼¢@3¾¢lb. at works and broken at 4½¢@5¢lb. Better buying is taking place but supplies are still quite plentiful.

Metals

Copper prices recovered during the week advancing to 13¼¢lb., a gain of ½¢lb. and ¾¢lb. above the low point of the year. Demand has been increasing and several producers are reported sold up for the balance of the year. Tin prices advanced 1¼¢@1½¢lb. for Straits but the decline of 5½¢ in Sterling kept prices from following the sharp advances in the London market. Lead is firmer at 6.80¢ spot. Zinc is unchanged at 6.70¢ spot, and 6.40¢@6.45¢ East St. Louis.

FERTILIZER SALES LARGER, SAYS OBER

President of National Association Believes Consumption in 1924 Will Equal 1914

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, Nov. 14—Prospects for the fertilizer trade are considered very promising by Gustavus Ober, president of the National Fertilizer Association and head of G. Ober & Sons Co., Baltimore. Mr. Ober said:

"For the last five years there has existed a depression that has made itself felt in more ways than one, and it may be several years before this branch of commerce has accommodated itself fully to conditions, but indications are that the coming year will see encouraging strides toward normalcy.

"The position of the farmers of the country has much to do with the fertilizer industry, and their ability to buy, together with their prospects, should serve as a barometer for the fertilizer trade. Just now wheat growing is the sore spot in the agricultural industry. Wheat growers, however, require a comparatively small percentage of the fertilizer produced. The heaviest consumers are the cotton growers, and consequently the condition of the cotton planters has a vital effect upon the fertilizer industry. They have received higher prices for their last crop and are now fairly prosperous. The prospects, therefore, are that the demand for fertilizer in the spring will go far toward solving the problems confronting the fertilizer manufacturers.

"I believe it is safe to predict that the consumption of fertilizers during the year 1924 will be at least equal to that of 1914, the last really normal year for the industry. This does not mean necessarily that conditions existing then will be paralleled, as the facilities for manufacturing fertilizers are much greater now, but the over-production should be materially reduced."

ASK HIGHER DUTY ON BARIUM PEROXIDE

American Producer Says He Must Get 15¢ lb.—Imported Sold at 9¢

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Nov. 14.—A hearing on tariff rates on barium peroxide, on which domestic manufacturers are asking a 50 per cent increase and importers a 50 per cent reduction, began on Friday, Nov. 9, before the Tariff Commission.

At the present time the duty is 4¢ per pound. The J. H. R. Products Co., of Willoughby, O., asked an increase of duty to 6¢ per pound, while John Bene & Sons, Inc., of New York City, domestic manufacturers of hydrogen peroxide and importers of barium peroxide asked that the rate be reduced to 2¢ per pound. The J. H. R. Products Co. was represented by A. N. Jeavons, president, and M. J. Rentschler, general manager. The Bene company was represented by W. C. Hampton, John Bene and Edward George Bene.

Mr. Rentschler told the Commission that every attempt to manufacture barium peroxide in the United States had been a failure because of English competition, due to cheap English labor costs. From 1896 to 1913, he told the Commission no barium peroxide was manufactured in the United States. Mr. Rentschler, showed the Commission samples of barium peroxide and hydrogen peroxide, stating, that one pound of barium peroxide produces 5½ pounds of hydrogen peroxide.

Mr. Jeavons, also on behalf of the J. H. R. Products Co., stated that his company is the only one in the United States manufacturing barium peroxide. He said he had to compete with the product imported from Germany, Switzerland, France and England. The English imported product is better than any of the others, he said. Mr. Jeavons said barium peroxide is sold in New York at 9¢ per pound c.i.f. and that he must get 15¢ or 16¢ per pound for his product. He added that his business had fallen off recently from 2,500,000 pounds per annum to 1,000,000 pounds.

Representatives of the Bene company, who manufacture the hydrogen peroxide from barium peroxide, formerly purchased barium from the J. H. R. Products Co., but have not done so for two years. They are now using entirely the imported article, owing to the lower price. They contended in their testimony that the cost of the American product was too high and they asked that the duty on the imported article be reduced.

Wishnick-Tumpeer Chemical Co. has moved its offices to 130 Forty-fourth st., Brooklyn, Bush Terminal Independent Store No. 26, which is also the company's warehouse. With the new facilities the company is able to make daily deliveries. David Tumpeer is in charge. Telephones, Sunset 7417, 1090 and 0206.

Henry W. Peabody & Co. announce that their company and Victor Blagden & Co., Ltd., London, have been appointed selling agents for yellow prussiate of soda and yellow prussiate of potash manufactured by American Cyanamid Co. at Warners, New Jersey.

E. H. Hooker, of Hooker Electrochemical Co., Niagara Falls, N. Y., is reported to be negotiating with Secretary-of-War Weeks for the purchase of the Government's water power plant at Muscle Shoals for a chemical and dye plant.

B. P. Steele, recently with W. F. George Chemicals Co., New York, is now with Edward Hill's Son & Co., Chicago.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1344

BENZENE MARKET CONTINUES UNSETTLED

Buyers Cautious in View of Probable Price Changes—Cresylic Acid Fairly Steady—Phenol Holding at 26c lb.—Interest in Naphthalene for Future Delivery—Little Change in Intermediates—Beta-naphthol Firm at Recent Advance—Pyridine Easier

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced No Advances Declined						
Benzene, pure, 1c gal.	Pyridine, \$1.50 gal.					
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Benzene, pure .....gal.	\$.22	\$.23	\$.23	\$.30	\$ 1.10	\$.25
Naphthalene flake .....lb.	.06½	.06½	.07	.07	.16	.03
Phenol, Spot .....lb.	.26	.26	.26	.32	1.50	.08
Toluene .....gal.	.25	.25	.25	.30	..	..
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine ..lb.	.35	.35	.35	.30	1.25	..
Benzaldehyde .....lb.	.75	.75	.75	.55	..	..
Betanaphthol .....lb.	.25	.25	.21	.23	1.50	.08
Dimethylaniline .....lb.	.40	.40	.40	.36	1.30	..
Paranitroaniline .....lb.	.74	.74	.74	.73	1.58	.18
Average .....	.345	.346	.342	.332	..	..

While there is still an unsettled feeling in the market for benzene and other light oil products, the rest of the list of coal-tar crudes have been holding steady. Supplies of benzene are reported quite plentiful at the moment and competition for business continues keen. Buyers have been purchasing cautiously and mainly for immediate delivery, since there has been a feeling that price adjustments are probable, and therefore it would be of advantage to await developments. The market has been weak and even present low prices have been subject to shading. Toluene is in nearly the same position. Cresylic acid, while not active, is moving regularly into consuming channels. Phenol is holding steady at recent quotations by makers, though the usual odd lots and resale material may be found slightly under general quotations. Inquiries for naphthalene are becoming more numerous for future delivery. Imports of crude material have been steadily increasing during the past month. Pyridine is easier.

Intermediates have shown little improvement. A certain volume of routine buying goes on from day to day, or week to week, but owing to the restricted demand for dyestuffs, consumption of intermediates has been small in volume compared to this time last year. Makers are holding prices steady since they are said to be at lowest possible levels now, and any price adjustments are more likely to be upward than downward. Beta-naphthol is firm at the recent advance. H-acid is moving fairly well. Aniline oil is steady.

Coal-Tar Crudes

Benzene—Unsettled conditions prevail in the market owing to an excess of stocks at the moment and keen competition among sellers. Competition has broadened in this field and prices appear less stable than formerly. Buyers are holding off in purchasing until necessary with prices still somewhat weak. While makers generally quote pure at 23c@24c gallon in tanks sales are quite general 1c under this price. Ninety per cent is holding at 21c in tanks and 26c@27c in drums.

Cresylic Acid—Sellers reported a fair week with prices holding at recent quotations. Pale, 97-99% acid named at 83c per gallon and dark, 95%, at 75c gallon. High boiling acid quoted at \$1.20@1.30. Imports at New York last week included 123 drums cresylic and 305 drums of coal-tar distillate.

Naphthalene—Inquiries have been increasing and some orders are being placed for future delivery. Makers are quoting at 6c@7c lb. for flake and 7c@8c for balls. Dyestuff naphthalene is quiet at 5½c@6c lb.

Phenol—Makers continue to quote 26c lb. in drums though the usual odd lot is being sold slightly under this price in the open market.

Pyridine—The market has become easier owing to increased supplies from Europe and a somewhat lessened demand. Spot prices are named at \$4.50 per gallon and shipment for Nov. and Dec. at \$4.00.

Toluene—The market is affected somewhat by the benzene situation though conditions are not quite as unsettled. Fair buying is reported at 25c@27c per gallon in tanks and 30c@32c in drums.

Xylene—Supplies are in adequate volume with prices holding at 50c@55c per gallon in drums.

Intermediates

Acid, Anthranilic—Routine buying with technical at 96c lb. and refined at \$1.20 lb.

Acid, Cleves—Holding at \$1.00@1.10 lb. on quiet demand.

Acid, Gamma—Makers continue to quote \$1.70@1.80 lb. with consumers taking only moderate quantities for immediate needs.

Acid, H—A fair volume of business is going on regularly but no large orders are in evidence at present. Prices are holding at 75c@80c lb.

Acid, N & W—No important developments have occurred and occasional sales are being made at \$1.10@1.15 lb.

Acid, Salicylic—Makers are firm at 32c@33c lb. for the technical with buying along routine lines.

Alpha-naphthylamine—A steady call for small quantities is in evidence. Makers are unchanged in prices at 35c@37c lb. according to quantity.

Aniline Oil—Continues steady at 16c@17c lb. as to quantity, the inside price being for carlots of drums. Aniline salt is unchanged at 23c@24c lb.

Benzaldehyde—Makers holding prices at 75c@80c lb. on regular demand.

Benzidine—Supplies are adequate and recent sales have been made at 80c@84c lb. according to seller and quantity.

Beta-naphthol—Makers are firm at the recent advance in price to 25c@26c lb. for carlots and less. Resale material is practically off the market and makers feel that the new prices will hold. Recent low prices left practically no profit in this commodity and an adjustment finally became necessary.

Dimethylaniline—Business is being done though on a restricted scale at 40c@42c lb. depending upon the quantity.

Nitrobenzene—Holding at 9c@9½c lb. for the crude and 9½c@10½c lb. for the redistilled.

Ortho-toluidine—Prices range from 15c@18clb. according to seller. Fair demand reported though under recent activity.

Para-nitraniline—Most makers are quoting 74c@75c lb. though supplies are offered at 70clb. in some quarters.

COAL TAR CHEMICAL IMPORTS LARGER

White Arsenic Valued at \$1,434,742, Sulfuric Acid \$162,095, for Nine Months

Larger amounts of coal-tar chemicals entered the United States in January-September, 1923, when \$12,093,867 worth came in, than in January-September, 1922, when \$8,141,299 worth arrived. Over half of these coal tar chemicals imports were of dead or creosote oil, 45,865,138 gallons, valued at \$6,974,051. Notable decreases occurred in receipts of alizarin and its derivatives, indigo, and colors, dyes, stains and color acids and color bases, and in coal-tar medicinals.

The imports of acids for the nine months of 1923 were: Arsenious acid or white arsenic, 15,375,384 pounds, \$1,434,742; citric acid, 692,047 pounds, \$213,477; formic acid, 1,001,747 pounds \$72,599; oxalic acid, 2,071,785 pounds, \$166,035; sulfuric acid, 19,304,973 pounds, \$162,095; tartaric acid, 1,512,644 pounds, \$376,079; and all other acids, free 1,395,584 pounds, \$15,166; dutiable, 1,628,813 pounds, \$235,208.

Less amounts of ammonium chloride were received in 1923 than in 1922; figures for the January-September, 1923 period were 4,596,638 pounds, valued at \$247,233. Receipts of arsenic sulfide dropped from \$405,006 (6,583,132 pounds) in January-September, 1922 to \$255,413 (2,092,994 pounds) in January-September, 1923.

Large decreases were also made in bleaching powder, lime citrate, crude iodine, potassium cyanide, and potassium bitartrate, crude argols or wine lees, while glycerin and sodium cyanide nearly doubled.

John Campbell & Co., while offering a full line of dyes, are featuring chrome and acid colors. At the recent Textile Exposition in Boston the company had a booth in charge of J. H. Grady, manager of the Boston office, assisted by M. J. Lane and H. J. Sheehan, who explained the practical application of Campbell dyes to textile manufacturers who visited the booth.

GRASSELLI SUES TO CHECK DYE IMPORTS

Seeks Accounting by Commonwealth Color & Chemical Co. Under Tariff Act

Suit has been begun in the Federal Court by Grasselli Chemical Co., for an accounting by the Commonwealth Color & Chemical Co., Brooklyn, in connection with the importation and selling of certain dyes in this country the patent rights of which are owned by the Grasselli company. An extension of time has been granted the Commonwealth company for a reply to the complaint.

The present suit has been instituted for the infringement of dye and pharmaceutical patents seized from the Bayer Co. and sold to the Sterling Chemical Co. and which later were slit up in a sale which brought the dye patents to the Grasselli company. The following colors are involved in the suit: Algol Brilliant Violet BB Powder, Algol Red R Extra Powder, Benzo Fast Heliotrope 4 BL, Diazo Fast Yellow 2G, Alizarin Uranole 2B, Diazo Fast Green GF.

This suit is brought under the tariff act of 1922, section 526 (inserted as a Senate amendment to the bill), which makes it unlawful to import "any merchandise of foreign manufacture if such merchandise, or the label, sign, print, package, wrapper, or receptacle, bears a trade-mark owned by a citizen of, or by a corporation or association created or organized within the United States, and registered in the Patent Office by a person domiciled in the United States." This provision invests the Federal authorities with the power to prevent infringement of trade-mark rights in importation.

Fire and explosion in the Abbott Road plant of National Aniline & Chemical Co., Buffalo, on Nov. 9, caused considerable damage in the caustic soda and indigo sections. The explosion came immediately after firemen turned water on the blaze, and burning chemicals were hurled to a distance of 300 feet.

F. W. Pickard, vice-president of E. I. du Pont de Nemours & Co., and general manager of its dyes department, sailed for Europe Nov. 13 on the Aquitania. He was accompanied by Mrs. Pickard and will be gone several months, returning by way of China and Japan.

OCTOBER DYE IMPORTS

(Continued from page 1316)

Name of chemical, Maker and Country	Quantity Pounds
Hypono—England	50 gals.
Madder red (for soap).....	110
Methyl phenylquinolin carboic acid ethyl ester—Germany	220
Metol (methyl p-aminophenol sulphate) —Germany	588
Naphthalene flakes—Germany	9,605
Naphthol AS—Germany	645
Novadelox—nc—Holland	3,308
Novasurol—Germany	2,000 amp.
Plenol and menthol compound—nc— England	15 oz.
Resorcin, tech.—France	1,120
Rodinol—nc—Germany	288
Salicylic acid—c—Germany	1,100
Salol—c—England	2
Sodium salicylate—France	1
Sodium salicylate comp. med.—nc—Eng- land	55 oz.
Sodium Salicylate powder—c—England	36
Sulphonic salicylate—nc—England	54 oz.
Sulfarsenol—c—France	62
Tenosin (tablets)—Germany	100 grms.
Tenosin (liquid)—Germany	100 grms.
Color Lakes of Coal Tar Origin	
Alizarin madder lake VN—nc—Germany	348
Azure blue 315 BK—c—Germany	622
Madder lake 2971 L—Germany	50
Viridine lake 1028 H—nc—Germany	200

SEPTEMBER ENTRIES CLASSIFIED

The following data are classifications as to the competitive or non-competitive nature of the items which were not classified in the September statement, and apply only to the dyes or chemicals included in that report which were not classified:

Classification

C.—Phosphine 3R
C.—Erika B Extra
N.C.—Katanol
C.—Fast Red A. V.
N.C.—Hydron Olive GN Paste
N.C.—Hydron Scarlet 2B Paste
N.C.—Hydron Bordeaux B Double Paste
N.C.—Hydron Bordeaux R Double Paste
N.C.—Hydron Green B Paste
N.C.—Hydron Violet B Paste
N.C.—Hydron Scarlet 2B Paste
C.—Diamine Catechine G
N.C.—Diamine Fast Brown GB
N.C.—Diamine Fast Brown G
C.—Brilliant Milling Green B
N.C.—Diamine Scarlet 3B
N.C.—Trisulfon Brown 2G conc. 5-10
N.C.—Alizarin Sky Blue B Powder
C.—Hydron Pink FF Paste
N.C.—Helindone Fast Scarlet C Paste
N.C.—Algol Brown R Paste
N.C.—Colorant Lake Carmine de Garance
N.C.—Thio Indigo Red 3B Paste
N.C.—Ciba Bordeaux B Paste
C.—Erio Fast Cyanine S Conc. 672
N.C.—Brilliant Milling Blue B
C.—Diamine Catechine G
N.C.—New Methylene Blue N.
N.C.—Algol Brilliant Orange FR powder

N.C.—Viridine Lake 1028 H
N.C.—Bismarck Brown A. V. (Lake)
N.C.—Basic Yellow T
N.C.—Alizarin Rubinoles R Conc. 40-100
N.C.—Helindone Red 3B Paste
N.C.—Indanthrene Golden Orange RRT Paste
N.C.—Helindone Orange R Powder
N.C.—Hydron Violet R Powder
N.C.—Anthraquinone Violet Powder
N.C.—Victoria Pure Blue BO Powder
N.C.—Ignamine Orange R Powder (Pyramine Orange R)
N.C.—Vat Brilliant Violet RRP Powder
N.C.—Pilatus Scarlet A
N.C.—Diphenyl Fast Brown GNC
N.C.—Jasmine High Conc. 729
N.C.—Indanthrene Bordeaux B Extra Paste fine
N.C.—Black B. R.
N.C.—Fur Grey B
C.—Indanthrene Violet RR Extra Powder
N.C.—Chromorhodine B. N.
N.C.—Alizarin Rubinoles GW Powder
N.C.—Alizarin Rubinoles R 40-100
C.—Fur Blue Black A
C.—Paraphenylene Diamine
N.C.—Ethyl Violet
N.C.—Alizarin Blue S 100% Powder
N.C.—Acid Alizarine Grey G
N.C.—Erioglaucine AP
C.—Benzo Fast Yellow R.L. } for color Lake
N.C.—Diazo Indigo Blue 4GL Extra
N.C.—Acridine Scarlet J
N.C.—Alizarine Rubinoles 3G Powder

(Continued on page 1323)

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1361

LINSEED OIL QUIET AND WEAKER

**Crushers Make Lower Prices for Spot and Future—
Bearish Report on Flaxseed—Corn Oil Advanced—
Cottonseed Oil Continues Strong—Animal Oils Higher—
Olive Oil Foots Lower for Shipment—Turpentine Lower**

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Chinawood Oil, shpmt., $\frac{1}{2}$ c. lb. Neatsfoot Oil, pure, $\frac{1}{2}$ c. lb.
Corn Oil, crude, $\frac{1}{2}$ c. lb. Oleo Oil, $\frac{1}{2}$ c. lb.
Grease, white, $\frac{1}{2}$ c. lb. Tallow Oil, $\frac{1}{2}$ c. lb.

Declined
Linseed Oil, 2c. gal.
Olive Oil Foots, shpmt., $\frac{1}{2}$ c. lb.
Turpentine, 4c. gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	.68	.68	.68	.56	\$1.26	\$.36½
Degras, American, bbl..lb.	.03½	.03½	.03½	.03½	.28	.02
Lard, No. 1.....gal.	.79	.79	.79	.79	2.90	.92
Menhaden, crd., bbls..gal.	.50	.47½	.47½	.48	1.20	.33
Neatsfoot, 20 deg. c.t..gal.	1.24	1.24	1.26	1.35	3.45	.95
Red Oil, distilled.....lb.	.09½	.09½	.09½	.10	.17	.07
Stearic Acid, T.P.....lb.	.14½	.14½	.14½	.12½	.33	.12
Coconut Ceylon, bbls..lb.	.10	.10	.10	.08½	.90	.14
Cottonseed, crude, tks..lb.	.10	.10	.09	.08½	.25	.08
Linseed, carlots.....gal.	.90	.92	.95	.87	1.88	.57
Olive, denatured.....gal.	1.10	1.10	1.10	1.17	4.50	1.05
Peanut, refined.....lb.	.15½	.15½	.15½	.12½	.30	.08
Soya Bean, bbls.....lb.	.11	.11	.11	.12½	.19½	.07
Average	0.455	0.455	0.459	0.454	1.80	0.362

Little change in the general conditions in the market has been noted during the week. Business is being conducted along conservative lines with buyers taking only enough for their immediate requirements. With the exception of linseed oil prices are generally firm and in the case of cottonseed and animal oils a stronger feeling exists. In the general list of vegetable oils supplies are not too plentiful, but on the other hand demand is not very strong. Linseed oil has been weak with consumers buying sparingly. Crushers have reduced their prices for all positions. Flaxseed prices are easier in the Northwest owing to the bearish Government report of 19,343,000 bushels and crushers fairly well supplied with seed. Cottonseed oil continues strong due to recent strength in cotton and the smaller Government crop estimate. Corn oil gained in strength in sympathy with cottonseed oil. Animal oils also have advanced. Chinawood oil is slightly higher for shipment. New crop olive oil foots are lower abroad. Menhaden oil continues strong. Fishing is practically over in Northern waters and stocks are not in large supply. Production is said to be considerably smaller this year. Cod oil is firm at recent levels. Turpentine is lower. Rosin is quiet and steady.

Vegetable Oils

Castor Oil—Prices remain steady in a regular market. No. 1 quoted at 13½c. and No. 3, 13c.

Chinawood Oil—Shipment prices were reported stronger at 21c@21½c. Spot prices holding at 21½c@21½c. in barrels and 20½c. in tanks. Business has been along moderate lines. Over 1,800 barrels were entered at New York last week. Imports for the nine months ending Sept. totaled 9,760,990 gallons against 5,950,839 gallons for the same period last year.

Coconut Oil—Prices holding at recent levels with demand along quiet lines. Ceylon in tanks on spot at

8¾c@8¾c. lb.; Cochin, 9½c@9½c. lb. and barrels 10¾c@11c. lb. Manila at the Coast at 8c@8½c. lb.

Corn Oil—The advance in cottonseed oil stimulated a demand for corn oil and prices responded to the increased buying. Crude advanced to 10½c. lb. and refined was firm at 13c@13½c. lb.

Cottonseed Oil—The market continues strong in view of the strength in cotton, lard and the bullish reports in regard to the cotton crop. Future was strong with spot at 11¾c@12½c. lb. and futures from 11.70@11.90 to 11.90@11.99 at the opening this week. Crude held at 10c@10½c. lb.

Linseed Oil—Demand for oil has been quiet and confined to small lots for immediate delivery. Consumers are unwilling to contract at present in view of the declining market. Local crushers have reduced prices to a basis of 90c in carlots on spot. Futures are also easier with Dec. at 87c and Jan.-Apr., 87c gal. London oil is steady at 41s 6d; Antwerp, 364f. Flaxseed markets have been less active and prices are easier. Winnipeg, Nov. \$2.03; Dec., \$1.93; May, \$2.00. Duluth, Cash, \$2.34½; Nov., \$2.34½; Dec., \$2.35; May, \$2.35½ at the opening this week.

Olive Oil—Demand has been more or less routine with prices holding at recent levels. Denatured at \$1.10@1.15; edible, \$1.70@2.20. Olive oil foots, new crop, are slightly lower at 8½c. lb. with a possible 8¾c. lb.

Palm Oil—Stocks are not abundant but demand is moderate. Sellers were quoting Niger at 7¼c@7¾c. lb. and Lagos, 7¾c@8c. lb.

Peanut Oil—Continues scarce and prices for crude are firm around 10½c. lb. at mills. Refined at 15½c. lb.

Soya Bean Oil—With limited supplies available prices remained at high levels. Crude in tanks at the Coast held at 9¾c. lb. Spot prices in barrels around 11c. lb.

Animal Oils

Greases—White grease is stronger in sympathy with tallow and other animal products at 11½c. lb.; yellow, 6½c@6¾c. lb.; brown, 6¼c@6½c. lb.; house, 6¾c. lb.

Lard Oil—Holding steady with edible at 16¼c. lb.; prime, 13¾c. lb.; extra, 12¾c. lb. No. 1, 10½c. lb.

Neatsfoot Oil—Pure was less plentiful and in good demand. Prices advanced to 14¼c. lb.; 20°, 16½c. lb.; extra, 11c. lb.

Oleo Oil—A stronger tone prevails with producers higher in their views. No. 1, at 15¼c. lb.; No. 2, 12c. lb.; No. 3, 10¾c. lb.

Red Oil—Holding steady on fair demand and readiness in raw material. Distilled and saponified at 9½c. lb. in barrels, carlots.

Stearic Acid—Unchanged in price and a fair demand reported. Triple pressed, 14¼c@14½c. lb.; double pressed, 13c@13½c. lb.

Tallow Oil—Was stronger with quotations at 10½c. lb. in tanks and 11½c. lb. in barrels.

Tallow—Firm tone prevails with offerings generally light. Sales reported at 8c@8½c. lb.

Fish Oils

Cod Oil—Demand has been less active but prices remain firm owing to the limited supplies available. Newfoundland is named at 68c@70c per gallon accord-

ing to seller and quantity. Imports at New York last week were 550 bbls.

Menhaden Oil—Crude oil is reported well sold up and with stocks small operators are holding prices firm at 50c per gallon. Fishing is over in Northern waters and practically over in the Chesapeake Bay. Refined oils are holding at 65c@68c for the light strained and 68c @71c for the yellow bleached.

WHAT DO YOU KNOW ABOUT IMPORTS?

(Continued from page 1314)

ton, flax, gold, iron, lead, mica, nickel, platinum, rubber, shellac, silk, silver, tin, wool, and zinc. Very few persons realize when they pick up a 'phone to talk business with a customer or gossip with a friend, that they are putting to practical use so many separate products, drawn from the ends of the earth.

What the Paint Industry Needs

The American paint manufacturing industry draws the following supplies from abroad: raw and burnt sienna, from Italy; raw and burnt umber, from Turkey; French ochre, France; yellow prussiate of potash, Germany and France; casein, South America; Van Dyke brown, Holland; English vermilion, England.

The paint industry is particularly dependent upon the importation of drying oils. Linseed oil comes from England, the Netherlands and Belgium, and China wood oil from Japan and China; over eight million gallons of the former and three million gallons of the latter were imported in 1921. The varnish industry is dependent upon shellac from the East Indies; Zanzibar gum from New Zealand; Congo gum, copal gum and kauri gum from Africa.

The non-drying and semi-drying oils, among which are coconut, cottonseed, peanut, palm, palm kernel, soya bean, and olive oil, are used primarily in manufacturing edible products, soap and toilet preparations. Cottonseed oil is obtained in the United States; olive oil comes from Italy, Greece and Spain. The other vegetable oils are obtained mainly from British India, the Philippines, Straits Settlements, Dutch East India, Egypt, China, Japan, and Brazil.

Printers ink is made out of things that come literally from all over the world—mineral oils, vegetable and linseed oils, dryers from the tropics, and dyes and gums.

Incandescent (Welsbach) gas mantles require thorium and cerium nitrates, which are obtained from Brazilian and Indian monazite sand.

Imported asbestos is used for boiler and pipe insulation, fireproof curtains for theatres, and brake linings for automobiles. About 90 per cent. of the asbestos used by American manufacturers comes from Canada and 10 per cent. from South Africa, Province of Rhodesia.

NEW YORK PAINT CLUB ENTERTAINS

Two hundred members and guests attended the one hundred and eighty-seventh meeting and dinner of the Paint, Oil and Varnish Club of New York, Nov. 8, at the Hotel Astor. Guests of honor at the meeting were Norris B. Gregg, L. P. Moore and C. J. Roh, recently elected presidents of the National Paint, Oil & Varnish Association, Paint Manufacturers' Association, and National Varnish Manufacturers' Association, respectively, who gave interesting talks on the outlook for the industries they represent. Mr. Moore said the association was following the lines suggested by the Government and at the same time making preparations for a possible depression. "Big paint men of today," he said, speaking of present prosperous conditions, "see that there is an end to this road. And how are we going to avoid also running into this state—by hard work, good, old fashioned hard work. This means that everybody, from the executive down to the office boy must take off his coat and start to work in the way of by-gone days."

Factory production of fats and oils for the third quarter ended Sept. 30. totaled 1,021,238,733 lbs., according to the Census Bureau. Vegetable oils comprised 335,090,917 lbs.; fish oils, 46,402,253 lbs.; animal fats, 548,327,118 lbs.; grease, 91,318,445 lbs. Edible and neutral lard showed the highest production with 440,213,462 lbs.; linseed oil, 154,588,443 lbs.; tallow, 105,803,030 lbs.; cottonseed oil, 93,181,435 lbs.; coconut oil, 50,131,471 lbs.; corn oil, 26,629,809 lbs. Refined oil production from above crude oils was: cottonseed oil, 63,652,594 lbs.; coconut, 39,832,884 lbs.; peanut, 892,085 lbs.; soya bean 707,184 lbs.; corn, 21,533,804 lbs.; palm kernel, 228,040 lbs.

The trend of menhaden oil prices is higher according to the latest advices from the factories in Chesapeake Bay. No actual sales have been made, recently, but prospective buyers are offering 49 cents per gallon, delivered at buyers' tank cars, but the factories are asking 50 cents. The stocks of oil in hand are small, and with the end of the menhaden fishing season close at hand, there are no chances of material additions to the supplies. One of the fishing companies has already ceased operations and others are expected to close down as their vessels come in from cruises.

The flaxseed crop of the United States is estimated by the United States Department of Agriculture at 19,343,000 bushels, compared with 11,668,000 bushels harvested last year, and a five-year average (1917 to 1921) of 9,718,000 bushels. The yield per acre this year, according to the preliminary estimate, is 8.5 bushels, against 7.5 bushels, the acreage for ten years past. The quality of the product is reported as 1.4 per cent below the average.

SEPT. ENTRIES CLASSIFIED (Concluded from page 1321)

Classification
N.C.—Hydron Scarlet 3B Paste
N.C.—Cyananthrol BGAAO Powder
N.C.—Acid Alizarin Grey G
N.C.—Anthraflavone GC Paste
N.C.—Indanthrene Golden Orange G Double Paste
N.C.—Hydron Scarlet 3B Paste
C.—Paramethyl Acetophenone
C.—Heliotropine Crystals
N.C.—Indol Garanti
N.C.—Musk Xylol
C.—Heliotropine C. P.
C.—Sodium Salicylate
N.C.—Tabloid Quinine Salicylate
N.C.—Tabloid Sodium Salicylate
N.C.—Tabloid Potassium Bicarbonate
C.—Hypoloid Caffeine Sodio benzoate
N.C.—Musk Ambrette

Classification
N.C.—Musk Ketone
C.—Chinoline C. P. synth.
N.C.—Phenanthren purified
N.C.—Methyl Cinnamate
C.—Methyl Anthranilate
N.C.—Gentian Violet 0.1 gm.
N.C.—Fuchsine 0.1 gm. Basic
N.C.—Tolson Blood Fluid
N.C.—Romanowsky Stain 0.015 gm.
N.C.—Alizarin Red S Powder
C.—Anthracene Chromate Brown E. B.
N.C.—Indanthrene Scarlet GS Powder
N.C.—Indanthrene Bordeaux B Powder
N.C.—Algol Brown G Powder
N.C.—Indanthrene Golden Orange G Paste
N.C.—Alizarin Blue S Powder
N.C.—Polar Yellow 5G Conc. 622
C.—Night Blue Greenish D 724
N.C.—Erio Fast Violet RMS Conc. 601
C.—Erio Fast Fuchsine BL Conc. 573
C.—Diphenyl Chlorine Yellow FF Supra.

Classification
N.C.—Diphenyl Fast Bordeaux G Conc. 266
N.C.—Thio Indigo Scarlet 2G Paste
N.C.—Helindone Orange R 10% Paste
N.C.—Helindone Fast Scarlet R Paste
N.C.—Alizarin Red S Powder
N.C.—Alizarin Astrole B Powder
N.C.—Helindone Brown G Paste
N.C.—Algol Corinth R Powder
N.C.—Alizarin Astrol B
C.—Minaxo Black BBN
C.—Cotton Pink GN
N.C.—Acid Alizarin Grey G
C.—Monomethylparamidophenolsulfat
N.C.—Chromanol Blue N. R. Powder
N.C.—Indanthrene Bordeaux B Extra Paste
C.—
N.C.—Indanthrene Bordeaux B Extra Paste
N.C.—Diaz Brilliant Green 9G
N.C.—Black BR
N.C.—Fur Brown N. Z.
N.C.—Indanthrene Golden Orange RRT Paste
C.—Fur Blue Black

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 1340

JAPANESE CAMPHOR ADVANCES ON SPOT

Demand Active and Replacements High—Antipyrine Firm—Salicylates Active—Imported Citric Acid Steady—Caffeine Alkaloid Firm—Potassium Permanganate Easy—Podophyllin in Slow Demand—Cod Liver Oil Easier

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Aloin, U.S.P., 3c lb.
Camphor, Japanese slabs, 1c lb.
Menthol, \$1.50 lb.

Declined
Cod Liver Oil, \$1.00 bbl. Phenolphthalein, U.S.P., 10c lb.

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$.32	\$.32	\$.32	\$.35	\$2.00	\$.20
Acid Citric, Import .....	.48	.48	.49	.50	1.25	.45
Caffeine Alkaloid	4.00	4.00	3.65	3.75	18.00	3.65
Calomel, American	1.25	1.25	1.25	1.15	3.43	.90
Camphor, Jap. ref. ....	.86	.85	.87	.85	3.55	.41
Iodine, Resublimed	4.55	4.55	4.55	4.40	5.00	3.75
Menthol	15.50	14.00	9.50	7.00	13.50	3.00
Potassium Bromide, Cryst. ....	.26	.26	.26	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.42	4.25	.27
Strychnine Sulfate .....	.84	.84	.84	.84	2.05	.50
Average	2.88	2.74	2.06	1.78	5.92	1.56

The feature of the fine chemical market has been the steady active demand for salicylates. The consuming season is now at hand and with a fair export trade of this item, a firm position for some time to come is freely predicted in the trade. Holders of chemicals are not inclined to shade prices in view of the present situation, which appears basically firm. Little new material is being imported owing to quotations being lower on spot than for import. Changes have been few with tendency to "stand pat" as quoted. However, the market is not without its weak spots, such as tartaric acid, cream tartar, formaldehyde, and mercury.

Increased absorption of Japanese camphor has caused a material reduction in stocks. Antipyrine is quoted firm at \$2.35@\$2.50lb. as to seller and quantity. Practically all cheap lots of imported citric acid have gone into consumption. Resale lots of caffeine alkaloid are few and limited in quantity. Demand for potassium permanganate is reported light. Easier exchange has resulted in cheaper cod liver oil.

Acetanilid—Makers quote 32c@33c lb. spot, and second hands name 31c@32c lb. Demand steady.

Acetphenetidin—Named at \$1.85@\$1.90lb. spot as to quantity.

Acid, Acetylsalicylic—Quoted firm at 75c@85c lb. spot as to seller and quantity. Consuming season now at hand and stocks are moving accordingly. London reports a "short" market as well as an active demand for export.

Acid, Citric—Early in the week 36 kegs of imported were offered at 47½c lb., but toward close 48c@49c lb. was generally quoted. Some quarters predict a firmer market owing to a reduction of spot stocks, and high import cost. Domestic makers name 49c lb. spot for barrels.

Acid, Diethylbarbituric—The recent application for an increase in the duty of this item has not been opposed.

If a change based on American selling price is made, then much higher prices can be seen, according to the trade. Imported quoted at \$4.25@\$4.75lb. spot.

Acid, Salicylic—Quoted firm at 35c lb. spot with tendency to remain firm owing to active demand on spot as well as for export. Resales available in limited quantities at 34c@35c lb. spot.

Acid, Tannic—Quoted at 80c@83c lb. spot for powdered.

Acid, Tartaric—Imported weak at 29c@30c lb. spot for crystals, and 32½c lb. spot for domestic. London reports demand at a minimum at 1s 1½d per pound. Last week saw 500 kegs entered at New York.

Alcohol—Quoted firm at 44c@46c gal. for No. 1 specially denatured in drums with possibilities of higher figures due to strength of raw material; No. 5 completely denatured at 43c@45c gal.; and No. 6 completely denatured at 42c@44c gal.

Aloin—Has advanced and now quoted at 90c@95c lb. spot as to quantity.

Amidopyrine—Quoted at \$4.60@\$5.00lb. spot as to quantity with some directions holding to \$4.90lb.

Anthraquinone—Steady at \$1.30@\$1.35lb. spot.

Antipyrine—Firm and active at \$2.35@\$2.50lb. spot with one quarter naming \$2.40lb. inside.

Bay Rum—Quoted at \$2.75@\$3.00 gal. for goods denatured with salicylic acid.

Bismuth Subnitrate—In active demand at \$2.90 lb. spot, and resales at \$2.80lb.

Bromides—Imported ammonium quoted at 17½c lb., potassium at 16c, and sodium at 18c lb. spot. Domestic named at 33c, 26c and 24c lb. spot, respectively, for ammonium, potassium and sodium. Recent cable from London states a higher market there.

Caffeine Alkaloid—U.S.P. quoted firm at \$4.00 by makers, and \$3.85lb. in limited quantities by second hands.

Camphor—Japanese 2½lb. slabs have advanced and now quoted at 86c@86½c lb. spot with tendency to higher figures. Domestic named at 93c lb. for barrels.

Cod Liver Oil—Easier at \$25.00@\$26.00 bbl. spot for Norwegian owing to lower foreign exchange rates.

Cream Tartar—Imported named at 23½c@24c lb. spot with some directions holding to 24c lb. inside. Domestic quoted at 25½c lb.

Creosote Carbonate—Firm and active at \$1.80@\$2.00 lb. spot.

Formaldehyde—Makers report a weak market at 11c lb. c/1 works, and 11½c@12c lb. for less. Demand routine with tendency for accumulation of stocks.

Glycerin—C. P. firm though quiet at 16½c@17c lb. spot for drums, and 16¼c@16½c lb. for dynamite.

Guaiacol Carbonate—Offers were heard below \$5.00 @ \$5.25lb. spot, but market is said to be steady.

Hydroquinone—Quoted firm at \$1.40@\$1.50lb. spot as to quantity.

Menthol—Market has firmed up and now best inside price said to be \$15.50@\$16.00lb. spot due to reduced stocks and more active demand. Buying for past two months has been on a hand-to-mouth basis. One factor cannot see any lower prices this year. Recent cables

from London name an easier market. January-March shipment named nominally at \$10.00lb. c.i.f. New York. During past week 50 cases were imported at New York.

Mercury—Easy at \$60.50@\$61.00 flask in spite of higher London market.

Pepsin—Named at \$2.25@\$2.50lb. spot for U.S.P.

Phenolphthalein—Lower at \$1.40@\$1.50lb. spot for U.S.P.

Podophyllin—Firm although in small demand at \$5.50 @\$6.00 by second hands, and \$5.75@\$6.25lb. by manufacturers.

Rochelle Salt—Imported at 19½c@20clb. spot, and domestic named at 20c@21clb. for U.S.P.

Saccharin—Quiet at the moment at \$1.90@\$2.10lb. spot.

Santonin—Steady at \$150.00@\$155.00lb. spot.

Sodium Benzoate—Steady at 65c@68clb. spot. London cables state firm market there.

Sulfonethylnmethane—Easy at \$3.50@\$3.70lb. spot.

Sulfonmethane—Quoted at \$2.40@\$2.60lb. spot.

Thymol Iodide—Inquiry reported active at \$6.75@ \$7.00lb. spot.

Prohibition Commissioner Haynes announces that after Nov. 15, permits for use of alcohol in the industries will contain a clause to the effect that the business shall at all times be subject to the inspection of Internal Revenue or prohibition officers, or any sheriff, policeman, marshal or other state officer authorized to assist in the enforcement of the prohibition laws.

Importation and exportation of opium and other habit-forming drugs is prohibited in Southern Rhodesia.

EUROPE DISLIKES CHEMICAL ENVOYS

(Continued from Page 1314)

Government—and the feeling is that they are endeavoring to obtain trade secrets for the benefit of those manufacturers."

"Why A Contract Ain't" was discussed by both P. S. Tilden and Milton Kutz, both of whom gave their individual views as to why the average contract is not respected by either buyers or competing sellers to-day. Mr. Tilden stated that he believed there was not only too much competition, but an utter lack of respect for any chemical contract, which must be corrected by moral forces. Mr. Kutz said that in his opinion, over-production was the underlying cause of the whole contract trouble. Too much chemicals combined with a desire by some companies to secure too large a share of the available business, and to keep production up to war-time levels, are responsible for the lack of respect for contracts. Attempts to force goods on a market which does not exist to the extent generally believed, have sharpened competition to too keen a point for healthy business, he said.

Ralph E. Dorland, president of the association, spoke on the contract problem and urged greater respect for the rights of competitors. He also blamed alibis on the part of salesmen who had lost an order, for many of the reports of price-cutting and contract jumping which are heard to-day, and stated that an artificial condition engendering price-cutting had been developed in this way.

About seventy members attended the dinner and voted to hold the December meeting, the Christmas Party, between Christmas and New Year. The matter of limiting the membership to 200 was tabled until the December meeting.

FERGUSON HEADS CHEMICAL CLUB

At the annual meeting of the Philadelphia Chemical Club, held in the Philadelphia Bourse, Nov. 5, Alex. C. Fergusson, Jr., of the firm bearing his name, was elected president for the ensuing year, succeeding John H. Stutt, Jr. of George D. Wetherill & Company, Inc. The following additional officers were elected: Vice-president, F. S. Havens, Atlantic Products Corp.; secretary, C. F. Wolters, Jr., Consumers Chemical Co.; treasurer, W. F. Donahue, E. I. du Pont de Nemours & Co.

Capt. William Tilden, of Du Pont Co., presented \$25 in gold to William Thorn as winner of the Tilden award for the best set of answers to a chemical questionnaire. These answers were based upon a series of lectures by Dr. Owen L. Shinn of the University of Pennsylvania, given under the auspices of the Philadelphia Chemical Club. Mr. Tilden delivered an address full of optimism for the future of the chemical industry. He also dwelt upon the foreign situation and expressed the opinion that America should act for the best interests of humanity at large regardless of nationalities.

Application of the Abbott Laboratories, Chicago, for an increase of 50 per cent in the duty on barbital (diethylbarbituric acid) under the flexible provisions of the tariff law was unopposed at the hearing recently held by the Tariff Commission. The representatives of the company, Dr. A. S. Burdick, president, and E. H. Ravensworth, secretary, told the commission that this item reached its maximum production and sale for the first six months of 1922, but during the latter half of the year sales fell off by a third owing to the removal of the embargo and the new tariff law. They stated that the low foreign costs and the high American wages were instrumental in keeping the American manufacturer from competing successfully with the imported product.

The salicylate market is steady, and with the approach of the important consuming season stocks of all preparations are moving in regular quantities, according to Merck's November price list. Only a very severe reaction in the price of the basic material—phenol—will affect the salicylates in general. A recent adjustment in the price of acetylsalicylic acid placed it on an equitable selling basis as is now true of all the other salicylate preparations. Podophyllin market remains firm due to the sustained position of the raw material. Available stocks seem to be growing larger, and more plentiful offerings are being made. While further advances are unlikely, this article will undoubtedly maintain its strong position for some time.

Spain's prohibition of imports of patent medicines has been followed by an order that analyses and registration of existing stocks in Spain must be presented at the National Academy of Medicine, Madrid, before Dec. 1. The requirement for the registration of existing stocks of pharmaceutical specialties is an extension of the previous similar regulation.

Fire in the plant of William J. Stange Chemical Co., 2549 W. Madison st., Chicago, on Nov. 2, caused a loss estimated at \$20,000. The flames started from an explosion of a still used in the manufacture of flavoring extracts.

H. R. Napp, formerly manager of Hoffmann-La Roche Chemical Works, London, is now managing director of H. R. Napp, Ltd., Kingsway, W. C.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 1359

CARDAMOMS SHARPLY HIGHER ON SPOT

Practically Nothing Coming Forward—Althea Root
Lower—Cascara Sagrada Higher—Culver's Root
Softer—Dandelion Root Firmer—Insect Powder
Higher—Rhubarb Lower—Senna Siftings Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Belladonna Leaves, 1/2 lb.	Ipecac Root, Whole, 10c lb.	Caraway Seed, 1/2 lb.	
Cardamom Seed, Decort., 35c lb.	Lobelia Herb, 3c lb.	Cohosh Root, Blue, 1c lb.	
Cascara Sagrada, New, 1c lb.	Manna, Small Flakes, 2c lb.	Culvers Root, 3c lb.	
Cloves, Zanz., 2c lb.	Mandrake Root, 1c lb.	Gambier Gum, 1c lb.	
Dandelion Root, 2c lb.	Senna, Alex. Sift., 1c lb.	Rhubarb, Whole, 1c lb.	
Henbane Leaves, 2c lb.	Stramonium, Leaves, 1c lb.	Cumin Seed, Levant, 2c lb.	
Insect Powder, 3c lb.	Wild Cherry, t.g.r., 1c lb.		

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.....	\$50	\$50	\$50	\$23	\$90	\$12
Buchu Leaves, Short.....	.90	.90	.90	1.00	4.00	.85
Cantharides, Russian	1.75	1.75	1.75	3.25	9.00	2.10
Cocculus Indicus .....	.03 1/4	.03 1/4	.03 1/4	.03 1/4	.25	.03
Ergot, Spanish .....	.38	.38	.51	.55	4.50	.54
Insect Powder, pure .....	.66	.63	.62	.60	1.00	.28
Ipecac, Cartagena, powd....	2.50	2.10	1.90	1.75	4.50	1.35
Nux Vomica .....	.06	.06 1/4	.06 1/4	.07	.14 1/2	.07
Opium, gum	8.00	8.00	8.00	6.75	30.00	5.00
Rhubarb Root, H. D.....	.37	.38	.40	.45	1.75	.15
Tragacanth, No. 1, ribbon..	1.45	1.45	1.48	1.80	6.00	1.50
Wild Cherry Bk., thin nat.	.11	.11	.11	.09	.21	.07
Average	1.39	1.36	1.35	1.40	5.28	1.00

While price changes have been numerous during the week, the market, as a whole, cannot be said to be active, according to several factors in the trade. The advances at the moment, with few exceptions, are the result of spot scarcities. Buying appears to be good one day and practically nil the next. However, with all the hand-to-mouth consumption, the situation is still well controlled by holders. The gradual withdrawing of small lots and firming up of prices have encouraged sellers to hold for their figures. Reports from the South indicate that a number of items have been gathered in small quantities and the result of this condition will soon be reflected on spot. Products from the Northwest are steadily advancing owing to the acute labor situation and the difficulties of Winter gathering. Offerings from abroad are not heavy.

Cardamom seed has been in active demand for two months and spot decorticated is quoted at \$1.75 to \$1.90 lb. Althea root is lower owing to lessening of demand. Little dandelion root is available for shipment from abroad. Insect powder has advanced and 66clb. is wanted, while some are asking 72clb. inside. Supplies at the moment are more or less limited. Senna siftings are firm at 13clb.

Aconite Root—Quiet at 50clb. spot.

Agar Agar—Quoted firm at \$1.80@1.85lb. spot for No. 1, and \$1.65@1.75lb. for No. 3. Recent cables from Japan state that no further supplies of old crop Kobe No. 1 are available. New crop No. 1 offered at \$1.08lb. c.i.f. New York for January-February shipment. During past week 85 bales were entered at New York.

Althea Root—Has declined and now quoted at 23c@25clb. spot owing to small demand. However, stocks are none too plentiful.

Anise Seed—Spanish easier at 16c@17clb. spot with tendency to react upward owing to strength in primary market. Star named at 12c@12 1/2clb. spot.

Arnica Flowers—The recent heavy buying appears to have subsided somewhat. Quoted lower at 12c@13clb. spot.

Balsams—Peru named at \$1.75@1.80lb. spot, and Oregon fir at \$2.15@2.25lb. Tolu firm at \$2.25@2.35 lb. spot. Last week saw 9 cases of last named item imported at New York.

Belladonna Leaves—Higher at 18 1/2c@19clb. spot.

Blackhaw Bark—Root easier at 41c@42clb. spot.

Buchu Leaves—Named at 90c@95clb. spot for bales with possibility of doing 88clb. in quantity.

Buckthorn Root—Easier at 6c@7clb. spot. Sellers find it difficult to substitute this item for cascara sagrada owing to the large amounts necessary and the popularity of "cascara."

Cardamom Seeds—Have advanced and now quoted at \$1.75@1.90lb. spot for decorticated; bleached, \$1.50@2.00lb.; and green, \$1.50@1.75lb. Demand heavy and little supplies being offered for shipment.

Cascara Sagrada—Firm at 28c@30clb. spot for new bark, and 30c@32clb. for old, in limited quantities only.

Cloves—Zanzibar has advanced again and now quoted at 35c@36clb. spot. Reports state that this year's crop is only one-tenth of that of 1922. Last week saw 100 bales entered at New York.

Culver's Root—Lower at 35c@38clb. spot.

Dandelion Root—Has advanced sharply and now quoted at 24c@25clb. spot with tendency to scarcity. During past week 46 bags were imported at New York. This shipment was probably "sold to arrive."

Dragon's Blood—Reeds quoted lower at \$1.25@1.30 lb. spot.

Elm Bark—Named lower though firm at 32c@34clb. spot for select goods. Powdered at 23c@24clb. spot.

Gambier Gum—Lower at 9c@10clb. spot.

Henbane Leaves—Higher at 37c@39clb. spot. Demand active.

Insect Powder—Quoted on spot at 66c@72clb. as to seller and quantity. A temporary scarcity is reported. Shipment named at 50 1/2clb. c.i.f. from Austria for closed flowers. Japanese goods bidded for at 45clb., without sellers. Last week saw 300 cases entered at New York.

Ipecac Root—Cartagena higher at \$2.10@2.20lb. for whole, and \$2.50@2.60lb. for powdered.

Japan Wax—Spot named at 16c@16 1/4clb. spot with shipment at 15 1/2clb. c.i.f. New York.

Lavender Flowers—New crop of selected quality named at 38c@42clb. spot.

Lobelia Herb—Country firming up owing to scarcity. Spot higher at 25c@27clb.

Mandrake Root—Spot has advanced and is now quoted at 21c@22clb.

Rhubarb Root—Slightly lower at 37c@38clb. spot for whole, and 44c@45clb. for powdered.

Saffron Flowers—Quoted firm at \$36.00@37.00lb. spot for Spanish, and American easy at \$1.00@1.05lb.

Stramonium Leaves—Higher at 8c@9clb. spot.

Wild Cherry Bark—All grades tending upward with thin green rossed at 15c@16clb. spot, and thin natural at 12c@14clb.

Wormseed—American easy at 9c@10clb. spot, and Levant quoted at \$4.00lb., if procurable.

DRUACHEM CLUB TO FROLIC ON NOV. 27

The annual frolic of the Druachem Club will be held at the Hotel Brevoort, Fifth av. and 8th st., New York, Tuesday evening, Nov. 27. Arrangements for 200 members and guests are being made. The entertainment committee has announced that eleven acts of Broadway vaudeville, comprising sixteen characters, have been secured to entertain the frolicers. B. J. Gogarty, J. L. Hopkins & Co., New York, who is in charge of reservations, states that tables will accommodate six or eight persons. Entire tables can be secured for parties if desired or small groups will be kept together and seated with any other group called for. The Frolic will be strictly informal according to the committee composed of B. M. Spencer and B. J. Gogarty. The entire drug and chemical trades of New York have been invited to attend the Frolic this year by the committee.

SHIPMENTS OF CAMPHOR INCREASE

Heavier shipments of natural crude camphor were made to this country in January-September, 1923 (\$1,966,274 worth, 3,088,649 pounds) than in January-September, 1922, (\$1,230,433, 1,960,838 pounds). The synthetic and refined camphor received in January-September, 1923, (totaling \$2,407,483, 3,328,097 pounds,) showed an increase of 88% over 1922. Less crude natural camphor was received in the third quarter than in the two previous quarters. In September the receipts of crude natural camphor amounted to \$237,756 (373,274 pounds), a big jump from August when only \$93,177 (141,673 pounds) were received.

The National Wholesale Druggists Association issued a call to members, this week, to rally in support of the Kelly bill and the Merritt bill legalizing price maintenance, which will be introduced in the House, soon after Congress convenes in December. The association endorsed the underlying principle of both bills at its recent annual convention.

"Methanol" instead of "wood alcohol" in regard to labeling containers may become state wide in use, according to a report made at the recent meeting of the Drug and Chemical Section of the New York Board of Trade & Transportation. Frank-Vliet Co., crude drugs, and D. L. Silverman, commission merchant, New York, were elected members.

Julian W. Lyon has resigned as president and director of Julian W. Lyon & Co., having sold his interest to Albert M. Wangler and Ivon H. Budd. Mr. Lyon has opened offices at 75 Fulton st., as broker, importer and exporter of drugs, chemicals and essential oils.

American Pharmaceutical Association, New York Branch, held its regular meeting last Monday evening at the College of Pharmacy Building, 115 West 68th st. Previous to the meeting an informal dinner was held at Edgett's Harbor Inn Restaurant.

John F. Hancock, 89 years old, manufacturer of specialties, Baltimore, Md., died on Tuesday. He was president of the American Pharmaceutical Association in 1873.

A judgment for \$9,379.45 has been filed in New York county against Garrigues Industrial Products Corp. by Jacbro Products Corp.

CINCHONA IMPORTS INCREASE

Shipments of Licorice Root Decline—Other Medicinal Imports In Nine Months

Medicinal and pharmaceutical preparations to the value of \$3,972,818 and crude drugs, herbs, leaves and roots to the value of \$6,511,603 (8,189,334 pounds) were imported into this country from January-September, 1923. Comparable figures for 1922 are not available. Of the items included under the first group quinine sulfate to the value of \$951,730 (1,926,150 pounds) was the most important. \$553,628 (1,749,093 pounds) of all other alkaloids and salts from cinchona bark, and 106,790 pounds, valued at \$84,062 of strychnine and derivatives were imported in January-September, 1923.

Foreign shipments to the United States of nux vomica totaled 1,945,507 pounds, valued at \$88,279; of licorice extract, 1,103,839 pounds, valued at \$236,452; and of senna, 2,066,627 pounds, valued at \$191,393.

Receipts of cinchona and other barks from which quinine may be extracted advanced from \$622,680 (1,714,810 pounds) in January-September, 1922 to \$642,885 (2,341,647 pounds) in corresponding period of 1923, while licorice root declined from \$1,835,608 (46,218,314 pounds) to \$1,435,942 (38,906,934 pounds). For the nine months of 1923, 2,769,467 pounds, valued at \$1,309,693 of pyrethrum or insecticide flowers were imported.

American Dyewood Co. presented evidence before the U. S. Tariff Commission on Monday to prove that competition of Haitian interests was injuring the Dyewood company's business. Dewitt C. Jones, president of the Dyewood company, asked that the valuation of 7½c a pound placed on logwood extracts by the customs service be increased to 8½c, and the existing rate of duty of 15 per cent ad valorem be increased by 50 per cent. Porter K. Crooks, vice president of Logwood Manufacturing Corp., said to be the only concern of its kind in Haiti, declared practically all of the logwood extracts imported into this country went to three concerns, 80 or 90 per cent of it to two of them, so that it did not appear on the market in any quantity which would have an influence.

The Government filed its final brief in the Chemical Foundation suit, on Tuesday, at Wilmington, Del. The Attorney General says in part: "The Government's right to a decree must be determined, not by questions of policy or wisdom, but by the law. Founding its claim upon that law as applied to the facts of this case, the United States asks for a decree of this court in accordance with the prayers of the bill." The brief refers to the attack made upon Herman A. Metz, former Controller of New York and a leading witness for the Government. The brief defends Mr. Metz's Americanism and character.

B. Wellmann, of Wellmann Chemical Co., 165 Broadway, New York, has severed his connection with Federal Chemical Co., Nitro, W. Va., manufacturer of alcohol. The New York office of the company has been discontinued. It is reported that S. Stern, president of Federal Chemical Co., has resigned as president and director.

V. P. Davis, formerly in the sales department of the Kalbfleisch Corp., New York, and later with D. A. Himadi & Co., died Nov. 6. Mr. Davis was with the Kalbfleisch about ten years, resigning in 1920, and was well known in the trade.

Milton J. Maas, chemical manufacturer who was shot by an unknown assailant on Oct. 11 at the home of Mrs. Ida M. Leslie, Sound Beach, Conn., has been discharged from a Stamford, Conn., hospital.

The Essential Oil Market

Current Spot Quotations of Essential Oils, 1364, Aromatic Chemicals 1365

OIL PEPPERMINT ADVANCES ON SPOT

Owing to Firmness in Country—Oil Bergamot Firmer
—Oil Cloves Strong—Oil Eucalyptus Higher—Oil
Lemon Firm Though Quiet—Oil Orange Lower—Oil
Wormseed Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Bergamot, Coppers, 10c lb.	Oil Lemon, Italian, 5c lb.
Oil Eucalyptus, 5c lb.	Oil Peppermint, Nat'l., 10c lb.
Declined	
Oil Orange, Italian, 10c lb.	Oil Wormseed, 50c lb.
Benzyl Butyrate, 50c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.85	\$2.75	\$2.60	\$3.10	\$7.00	\$5.00
Oil Citronella, Ceylon	.85	.85	.69	.48	.92	.60
Oil Cloves	2.30	2.30	3.10	2.00	3.70	1.40
Oil Lemon, Italian	.75	.70	.70	.67	1.70	2.00
Oil Peppermint, Nat'l.	3.15	3.05	3.15	2.60	9.00	2.25
Oil Sandalwood, E. I.	7.25	7.25	7.35	6.75	13.00	5.25
Oil Sassafras, Artif.	.38	.38	.44	.42	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin	4.50	4.50	4.50	4.00	31.00	3.10
Methyl Salicylate, Cans.	.47	.47	.47	.47	1.00	.90
Vanillin	.48	.40	.40	.45	.95	.20
Average	2.22	2.19	2.19	2.02	6.83	2.05

In a market devoid of new features, values during the past week showed a general steadiness and few noteworthy changes. The policy of purchasers appears to have broadened and if the reports from consuming centers can be relied upon, a good season is now here. The gradual withdrawing of stocks has left some items very low and in most all instances replacements are so high that it seems necessary to advance prices immediately on receiving fresh goods. Shading is becoming less pronounced, as better buying becomes more evident. The development of a few spot scarcities, combined with one or two cables at higher figures, supplied the bullish element for the week.

Firmer prices for oil peppermint in the country have caused spot values to react upward. Practically all of the cheap oil bergamot has been removed from this market. Oil cloves is strong, due to strength of spice. Oil lemon, Italian, now quoted at 75c lb., but in large way 70c lb. can still be done. Italian oil orange is lower owing to small demand. Oil wormseed is higher, and will continue to advance, if reports from the country are in accord with facts.

Essential Oils

Oil Almond—Bitter quiet at \$3.25@\$3.75 lb. spot for U.S.P. material, and \$3.50@\$3.75 lb. for FFPA.

Oil Amber—Quoted at 90c@\$1.00 lb. spot for rectified, and 70c@75c lb. for crude.

Oil Anise—Easy at 40c@45c lb. spot for U.S.P. with one direction asking 45c lb. inside. Technical named at 37½c@40c lb. spot.

Oil Bay—Steady at \$2.50@\$2.60 lb. spot. Last week saw 7 tins entered at New York.

Oil Bergamot—Coppers quoted higher at \$2.85@\$3.00 lb spot due to practically all cheap oil passing into consumption. Shipment is high with tendency to remain firm for some time to come. London quoting 12s 6d per pound for 36-37 l.a. material.

Oil Bois de Rose—Firm and in active demand at \$2.40@\$2.50 lb. spot.

Oil Calamus—Quiet and in small demand at \$4.25@\$4.75 lb. spot.

Oil Camphor—Holders report a steady consumption at 13c@15c lb. for Japanese white in drums, and 13½c@15c lb. for cases.

Oil Caraway—Firm and active at \$8.25@\$8.50 lb. spot. One quarter says that he does not see how it can go much higher. The high price has in no way lessened demand.

Oil Cardamom—Higher at \$27.00@\$30.00 lb. owing to activity in seed.

Oil Cassia—Natural quoted at \$2.45@\$2.50 lb. spot with tendency to easier figures. Last week 18 drums were imported at New York. Redistilled soft at \$2.90@\$3.00 lb. spot with some factors naming \$2.85 lb. Supplies are none too plentiful, and if demand should open up more, then higher prices are likely.

Oil Cedar Leaf—Quoted firm at \$1.05@\$1.15 lb. spot.

Oil Citronella—Ceylon quoted nominally at 85c@90c lb. for drums, and 87c@92c lb. for tins. Java named at 95c@\$1.00 lb. for drums, if procurable. Reports from abroad appear to substantiate the claims that no pure oil has been shipped from primary market since the first drum came over. Shippers now guarantee their oil, and have accordingly advanced price about 20c lb.

Oil Cloves—Quoted firm at \$2.30@\$2.40 lb. spot for cans, and \$2.40@\$2.50 lb. for bottles. Trading between dealers reported active.

Oil Eucalyptus—Named higher at 70c lb. spot for drums, and 72½c@75c lb. for cases owing to small offerings from abroad and active demand on spot. A recent arrival of 363 cases in the London market passed directly into consuming hands.

Oil Geranium—Bourbon quoted at \$8.00@\$8.50 lb. spot with shipments cabled easier. African named firm at \$8.00@\$8.50 lb. spot.

Oil Juniper Berries—Quoted at \$1.15@\$1.25 lb. spot for U.S.P. with some houses asking \$1.25 lb. inside.

Oil Lavender—Active at \$5.00@\$6.25 lb. spot as to seller and quality. Reports are heard that one holder sold out at \$6.35 lb.

Oil Lemon—Italian firmer at 75c@87½c lb. spot as to seller and quantity, although in a big way 70c lb. can still be done. American named at 75c@80c lb. spot. During past week 507 cases were entered at New York.

Oil Limes—Distilled firm at 85c@\$1.00 lb. spot, and expressed named quiet at \$1.50@\$1.70 lb.

Oil Mustard—Artificial strong with upward tendencies at \$2.70@\$3.00 lb. spot.

Oil Orange—Italian easier at \$3.15@\$3.50 lb. spot as to seller owing to small demand and easier shipment figures, West Indian easy at \$2.20@\$2.30 lb. spot. Last week 60 cases were imported at New York.

Oil Peppermint—Firmness in country has caused an advance here and now best price for natural is \$3.15@\$3.25 lb., and redistilled at \$3.40@\$3.50 lb. Buying has been active.

Oil Sassafras—Quoted firm at \$1.75@\$1.80 lb. spot as to quantity in limited supplies only.

Oil Wormwood—Easy at \$4.00@4.25lb. spot.

Aromatic Chemicals

Demand is more active with tendency for sellers to quote high prices in order to be in line with replacement costs.

Benzaldehyde—U.S.P. quoted at \$1.50@1.60lb. spot, and FFC at \$1.75@1.85lb.

Benzyl Butyrate—Inquiry active at \$5.50@6.00lb. spot as to quantity and quality.

Citronellol—Higher at \$8.00@11.00lb. spot.

Coumarin—Makers quote \$4.50@4.65lb. spot, and second hands at \$4.35lb.

Methyl Salicylate—Quoted at 45c@47clb. spot by makers as to quantity, and 43clb. by outside hands with possibility of shading last named figure on firm business.

Terpineol—Easy at 52c@53clb. spot for drums, and 56c@58clb. for cans.

Vanillin—Leading makers have advanced the price and now quote 48c@50coz. spot as to quantity owing to strength of raw material.

PERFUMERY IMPORTS LESS

Receipts of Essential Oils In Nine Months, However, Show Increase

A drop of 30% occurred in the imports of perfumery and cosmetics during the nine months ended Sept. 30, having fallen from \$5,773,884 in January-September, 1922 to \$4,041,366 in January-September, 1923. Figures for comparison are not available for the individual items under this group. From January-September, 1923, 879,978 pounds, valued at \$1,692,366 of perfumery including cologne; 220,259 pounds, valued at \$44,455 of bay rum, toilet waters and floral waters; \$1,825,974 of perfumery materials and 978,485 pounds, \$478,571 of cosmetics, powders and creams were imported. September was notable for the comparatively large receipts amounting to 127,691 pounds, with a value of \$76,852 of cosmetics, powders and creams, the highest for the year.

In contrast to the drop in perfumery and cosmetics an expansion of 15% was made in the imports of essential and distilled oils, a total of \$4,308,417 having been reached for the three quarters of 1923. This increase may be attributed to the large shipments of bergamot and flower oils that were made to this country during the current year, while imports of lemon and orange oils were small. For the nine months of 1923, bergamot oil registered an expansion of 32% in value and 89% in quantity; citronella and lemongrass, 63% in value, and 9% in quantity; lavender oil, 121% in value, and 117% in quantity, while lemon oil recorded a decrease of 44% in quantity and 38% in value and orange oil, 8% in quantity and 38% in value. The imports of those oils for the nine months of 1923 were: Bergamot, 88,739 pounds, valued at \$220,409; citronella and lemon grass, 880,704 pounds, \$560,151; lavender, 192,041 pounds, \$289,912; lemon oil, 330,719 pounds, \$209,787; orange oil, 158,946 pounds, \$337,833 and all other essential oils \$2,690,325.

Colombo Commercial Co. says: "Sellers of citronella oil are now prepared to negotiate business on the basis of quality referred to in our list, but as this can only be done by dealing in the best quality oil, quotations have advanced in sympathy. Prices are nominally quoted at 3s 5d per pound."

GERMAN CHEMICAL MAKERS SCATTERING OVER EUROPE SAYS SWISS PRODUCER

Dr. Adolf Kaufmann, Head of Usines de L'Allondon, Geneva, Reports Them Buying Plants in Switzerland, Holland, and Italy—Swiss Alkaloid and Aromatic Chemical Business Good

German manufacturers of alkaloids, medicinal, fine, and aromatic chemicals are gradually moving their plants out of Germany into Switzerland, Italy, and Holland, according to Dr. Adolf Kaufmann, general manager, Usines de L'Allondon, Geneva chemical manufacturers, who arrived in the United States last Friday for a month's visit to his firm's American agents, J. E. Dockendorff & Co., New York. Several of the big fine chemical houses of Germany have just recently purchased plants in Holland, the most notable being the case of C. F. Boehringer of Mannheim. The exodus of chemical producers from Germany to other parts of Europe indicates the despair with which German business men look upon the possibilities of stabilization for many years to come, Dr. Kaufmann said.

While in the United States, Dr. Kaufmann will investigate the possibilities of an American factory for Allondon. Although business in Switzerland, particularly in alkaloids and aromatics, is good, the American tariff is difficult to surmount in shipping goods to this country, he said. In Europe, the Swiss position has gradually become stronger while Germany has weakened as a result of the occupation and the depreciated mark. In spite of the low value of the mark, he said, wages and production costs are higher in Germany than in Switzerland. Alkaloids, fine chemicals, and aromatic chemicals are rising in price in Europe as Germany becomes less and less a factor, and with the elimination of Reparation chemicals which France and Belgium threw on the market with consequent demoralization. Living costs are 160 to 200 per cent higher than pre-war to-day while chemicals are selling below pre-war prices although rising toward this level at present.

Dr. Kaufmann said regarding the market situation abroad: "A further rise in the prices of such products for which Germany is still the main supplier as far as the international market is concerned is to be expected to take place within the next few weeks. In Europe the prices of tar products such as salicylate products, antipyrine, pyramidon, guaiacol and its derivatives are constantly increasing. In spite of the efforts made during and after the war in the various countries of the world to displace German products, the lack of German products would be bound to be keenly felt on the world markets. At any rate American industry which is thoroughly protected by the new customs tariff is bound to still further profit from the expected further rise in the prices and will enjoy a further respite for the completion of its organization."

P. R. Dreyer, New York, essential oil importer, recently returned from a business trip through the Middle West. He was accompanied by Emile Schlienger, of Bertrand Freres, Grasse, France, who returned to Europe on Tuesday last, aboard the "Aquitania." Mr. Dreyer says he found business fully up to a normal year and that the high prices of essential oils have in no way lessened the volume of sales. C. A. Senger, of Chicago, representative of Bertrand Freres and P. R. Dreyer, was presented with a sedan car in appreciation of his valuable work in that territory.

Courtin & Warner, London, have been appointed sole agents for Les Usines Allondon, La Plaine, Geneva, Switzerland, manufacturers of synthetic perfumes.

The Foreign Markets

Imports of Drugs and Chemicals, page 1367

BROMIDES, CLOVES AND VANILLIN HIGHER

Quotations Firmer on Benzoate of Soda, Citric Acid and Japanese Mint Oil—Market Easier for Buchu Leaves, Menthol, Oil Camphor and Shellac

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Nov. 14.—Trading is fair with many products quoted at higher prices, including bromides, oil cloves, Zanzibar cloves and vanillin.

Firmer prices are noted for benzoate of soda, citric acid and Japanese mint oil.

The market is easier for buchu, menthol, oil camphor and shellac.

London, Nov. 3 (By Mail).—There has been less activity in the markets this week, but a decided improvement is to be noted in fine chemicals, which of late had fallen much below the parity of Continental markets. This is particularly the case in all the salicylates notably aspirin and salicylic acid. Bromides are again reported dearer in Germany and are picking up on spot. Shellac has been a firm market throughout at 317s for T.N. ex-wharf. At the close, however, the price has eased to 305s. March is firm at 300s c.i.f. Menthol is not in demand and 72s 6d is the price asked. English synthetic is in fairly good request at 26s per lb. Santonine is rather more plentiful on offer. Cascara sagrada, at the higher price cabled this week, 140s, is not attracting so much interest, the opinion being expressed that prices have been forced up too rapidly. New bark has been sold at 110s c.i.f. and 140s per cwt. is now asked for fully matured bark on spot.

A shipment of approximately 400,000 pounds of dyestuffs received by McArthur Irwin, Ltd., Montreal, Canada, constitutes a record for dyestuffs imported by Canada in one shipment. Included in this shipment was 100,000 pounds of Columbia Black EA Extra, a direct black which was well known to the trade previous to the war.

Exportations of derivatives of opium from India are restricted to cases in which the consignment is covered by an official certificate permitting the importation and issued under authority of the Government of the country of destination, according to vice consul Robert F. Kelley, Calcutta.

Dr. John Allen Harker, a British chemist, died in London, Oct. 10, aged 53. During the world war he was director of the British Nitrogen Products Research Laboratory. After the war he became a consultant chemist.

Argentine export duty on linseed (flaxseed) for November has been increased from 3.95 to 4.47 gold pesos per metric ton in sacks and from 3.58 to 4.09 gold pesos in bulk.

Rumors of domestic German dye industries linking up with large foreign companies caused rapid advances in dye stocks listed on the Berlin exchange.

Argentine export duty on quebracho extract for November has been decreased from 1.68 to 1.65 gold pesos per metric ton.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling)	\$4.886	\$4.40½
France (franc) .....	.193	.056
Italy (lira) .....	.193	.043
Germany (mark) per hundred	23.80	
Czechoslovakia (crown) per hundred	20.30	.029
Poland (marks) per hundred	23.80	.00006
Japan (yen) .....	.499	.485
Holland (guilder) .....	.402	.381
Spain (peseta) .....	.193	.131
Belgium (franc) .....	.193	.049
Switzerland (franc) .....	.193	.176
Sweden (crown) .....	.268	.263
Denmark (crown) .....	.268	.166
Argentina (peso) .....	.424	.317
Brazil (milreis) .....	.324	.086
China (Silver dollar—Hongkong) .....	.789	.517
(Tael—Shanghai, silver)	1.082	.702
(Tael—Peking, silver)	1.156	.740

LINSEED OIL SCARCE IN BELGIUM

Holland Buys Large Quantities for Germany's Account
—Prices Going Up

The markets for vegetable oils and oil seeds in Belgium, during the month of September, were much affected by the sudden increase in the value of the Belgian franc, followed by as sudden a fall. These extraordinary fluctuations were due to the political situation in Central Europe, particularly in the Ruhr, writes C. E. MacEachran, American Consul at Antwerp, to the Chemical Division, Department of Commerce. Prices at the beginning of the month were the same as those ending the month of August. During the balance of the month, however, the great fluctuations in exchange affected the market to such an extent that buyers were very cautious. During the first half of the month the volume of business was small, but the tendency was firm, in sympathy with foreign markets.

During the second half of the month, owing to the regular and continuous increase in the value of the Belgian franc, and quieter news from foreign markets, prices went down rapidly. Sellers were more pressing but buyers were very cautious, and business was confined to speculation coverings only. The demand for consumption is next to nil. This situation prevailed up to the end of the month, but business was of a small volume only owing to the fluctuations of exchange. There was no export trade of any importance. There are no stocks. Buyers were very cautious. Prices in pounds sterling increased about two pounds, but in Belgian francs, owing to the increasing value of Belgian currency, prices decreased by about 25%. For spot, Antwerp prices were from 415 down to 375 francs f.o.b. in barrels.

The improvement was very welcome after such a bad season, and prices increased by about one pound sterling, with many transactions. This was caused principally by the fact that Holland was purchasing large quantities on Germany's account. The demand for consumption was small as crushers are not buying yet, owing to high prices, being afraid to commit themselves in large purchases. The small stocks at the beginning of the month are being liquidated. Arrivals are small, and at the first large demand there will be a lack of merchandise, and higher prices will very likely be asked.

GERMAN DYE PRODUCTION FOR AUGUST

Trade Commissioner F. E. Breithut, reports the German production of dyes for the month of August according to groups, and factories as follows:

Group	Classification	August pounds
I	Alizarin red	220,334
II	Indigo paste	982,863
III	Vat colors except Indanthrene blue G.C.D.	201,811
IV	Indanthrene blue G.C.D.	138,837
V	Alizarin colors other than Red	2,607,148
VI	Direct colors for cotton	347,601
VII	Direct colors for Diazotization	1,321,105
VIII	Acid colors for wool	627,431
IX	Chrome colors for wool	277,639
X	Basic colors	2,401,627
XI	Sulphur colors	317,170
XII	Lake colors	9,643,566
Total		9,643,566

Factories	August pounds	Factories	August pounds
Barmen	55,906	Hoechst	867,997
Berlin	1,082,191	Leverkusen	2,967,106
Biebrich	369,846	Ludwigshafen	1,521,489
Dusseldorf	30,985	Muhlheim	44,976
Frankfurt	1,769,029	Uerdingen	189,015
Griesheim	735,076		
Total		9,643,566	

July production was 9,032,286 pounds; June 8,862,154 pounds; May 7,454,092 pounds.

NEW SODA AND ACID PLANT IN MEXICO

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, Mexico, Nov. 3.—"Electron," a new chemical company has been established at Orizaba, State of Vera Cruz, Mexico, and will manufacture caustic soda, muriatic acid, bleaching powder and chlorine products. The output will be two and one-half tons of caustic soda, three tons of muriatic acid and three tons of bleaching powder daily. It is thought that the textile mills in the Orizaba district will consume all the output. Heretofore, these products have been imported from England and the United States. The machinery, which is of American make, is being installed and it is expected that within four months the plant will be producing. Luis Guillo is the manager. The stock is owned by Americans, Mexicans and Spaniards.

Nitrate sales for the Province of Tarapaca, Chile, for August totaled 234,368 metric quintals compared with 94,675 quintals for July and 3,985,224 quintals for June. While August showed an improvement over July, the sales made were not sufficient to favorably affect the exchange. However, optimism prevails and it is believed that September will see increased sales. The total exports of nitrate by all of Chile for the month of August totaled 2,147,502 metric quintals of which 701,165 metric quintals went to the United States, 1,317,508 metric quintals to Europe, and 128,829 metric quintals to other points. Exports from the consular district of Tarapaca amounted to 817,947 metric quintals of which 420,750 metric quintals went to the United States proper and 31,500 metric quintals to Hawaii.

Permitting the wearing of yellow khaki in the Cuban army for an additional six months beyond March 1, 1923, in order to allow merchants sufficient time to dispose of their stocks may become effective, according to Trade Commissioner C. A. Livengood, Havana. Present stocks of goods are said to be valued at \$986,000, consisting of 1,480,352 yards of cloth, 91,800 yards made up material, and 10,379 dozens manufactured garments.

Japanese plants for the production of alkalis, having a capacity of 500,000 pounds a month, were destroyed by the recent earthquake. Other plants were damaged and the Japanese output has been reduced about 2,000,000 pounds a month.

CANADIAN MARKET FOR MINERALS

USED IN CHEMICAL INDUSTRY TESTED

Government Obtains Returns from Manufacturers of Acids, Sodas and Other Products to Learn Demand for Finely Ground Non-Metallic Products—Imports Come from France, Italy and United States

(Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, Nov. 14.—With a view to the establishment in Canada of grinding plants to produce the many varieties of finely ground non-metallic minerals used in chemical and other industries, the bulk of the supply of which is at present imported, a report has been issued by the Mining Metallurgical and Chemical Branch of the Dominion Bureau of Statistics giving data to show the probable extent of the market which might be developed. Of the many concerns engaged in the production of industrial chemicals including sulfuric, nitric and hydrochloric acids, caustic soda, soda ash, salt cake, and calcium carbide, only 19 plants reported any important consumption of the material under review.

The largest item was limestone, of which 175,124 tons was used all of which was produced from domestic by two firms. Phosphate rock, 26,800 tons, pyrites, quarries. Over 30,000 tons of crude quartz was used 15,901 tons; and sulfur 14,002 tons, were next on the list in point of quantity, and of these only the pyrites was of domestic origin. While smaller quantities of ground barytes and whiting, ground quartz and tripolite were reported as consumed by manufacturers of acids, these materials were used in the manufacture of side lines, such as greases and polishing compounds. The barytes quartz and tripolite were all imported in a finely ground condition, and are not produced in Canada at such commercial grades as to meet the requirements of the trade. Of the barytes some 60 tons was used at an average price of \$18 per ton f.o.b. Toronto. In the case of ground quartz only 120 tons was reported as consumed by the firms engaged in the production of heavy chemicals.

Four firms engaged in the manufacture of inks, dyes, and colors reported the consumption of 101,200 lbs. of barytes, 40,000 lbs. of iron oxide or red mortar color, 30,000 lbs. of silica, 4,000 lbs. of graphite, 2,000 lbs. of gypsum and 1,000 lbs. of whiting, all ground to pass 120 mesh.

The consumption of non-metallic minerals reported by 23 plants producing medicinal and pharmaceutical preparations included 298,317 lbs. of talc, 133,618 lbs. of magnesium sulfate, 31,470 lbs. sodium sulfate, 23,100 lbs. of whiting, and 12,604 lbs. kaolin. Talc is the only important item, and of the total, 89,340 lbs. of specially prepared talc was imported from France and Italy. Some 60 tons of magnesium sulfate was used, and while the Canadian salts are of an exceptionally high grade and suitable for all industrial preparations, it seems impossible for the operators of the western deposits to replace the imported varieties owing to the high cost of transportation.

After seven years trial of prohibition the electors of Alberta, Canada, on Nov. 5th, by an overwhelming majority voted in favor of the sale of all liquors through government vendors on the permit system in limited quantities, beer to be consumed on licensed premises. The question as submitted to the electors does not clearly define whether sales are exclusively confined to the government vendors, or whether "licensed premises" refers to hotels. This will have to be decided by the Legislature.

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SODIUM SULFIDE DEMAND IMPROVES

Crystals Firmer in Price—Solid and Broken Plentiful—
Bichromates in Better Demand—Sodium Prussiate
Sharply Lower in Weak Market—Formaldehyde Easy
—Fish Oils Firm—Formic Acid Active

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$2.92	\$17.00	\$1.50
Acid, Formic .....	.12½	.12½	.12	.18	1.50½	.07
Acid, Lactic, 22% dark .....	.04½	.04½	.04½	.04½	.07	.02
Potassium Bichromate .....	.09½	.09½	.09½	.10	.65	.06½
Epsom Salt, tech.	1.80	1.80	1.80	1.70	3.75	1.00
Sodium Prussiate .....	.11	.13	.13½	.22	1.25	.18
Soda Ash, 58% wks.	1.38	1.38	1.45	1.45	4.10	.69
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04½
Sodium Hyposulfite	2.75	2.75	2.75	3.00	3.75	1.30
Sodium Sulfide, 60% wks. ....	.03½	.03½	.03½	.04½	.10½	.02½
Average .....	.980	.982	.989	.973	3.267	.528

Makers of chemicals going into the tanning industry report increased buying. (While no large contracts have been placed, the improvement has been sufficient to make the market firmer and to offer encouragement for the future. With the exception of sodium prussiate, which has declined sharply owing to keen competition between imported and domestic material, prices have been steady. Sodium sulfide crystals are slightly higher due to better demand. Bichromates are unchanged. Formaldehyde continues easy. Formic acid is active. Cod and menhaden oils are strong.

Acid, Formic—Demand for imported acid continues good and prices are holding at 12½¢@14¢lb. for the 90% material. Supplies are not large and are moving as fast as they arrive. Domestic remains at 16¢lb.

Acid, Lactic—Consumers are taking supplies regularly and at unchanged prices. Dark, 22%, 4½¢@5¢lb.; light, 5½¢@6¢lb.; 44%, dark, 9½¢@10¢lb.; light, 11½¢@12¢lb.; 66%, dark, 14½¢@15¢lb.; light, 25¢@30¢lb.

Arsenic—Red sulfide in routine demand at 15¢@15½¢lb.

Extracts—No large demand exists though supplies are being delivered regularly to tanners. With the exception of sumac, stocks are in adequate supply and prices are holding at former levels. Imports at New York last week included over 20,000 packages of myrobalans. Chestnut extract named at 2¢@2½¢lb.; Borneo cutch, 4½¢@5½¢lb.; fustic at 10¢@14¢lb.; gambier, 8½¢@9½¢lb.; hematine, 11½¢@13½¢lb.; logwood, 7½¢@12½¢lb.; myrobalans, 4¢@5¢lb.; oak, 4¢@5¢lb.; quebracho, 3¢@3½¢lb.; spruce, 1¢@2¢lb.; sumac, 7¢@9¢lb.

Formaldehyde—Demand shows no improvement and with supplies plentiful prices are easy at 11¢@11½¢lb.

Oils—Newfoundland cod oil is holding at 68¢@72¢ per gallon according to quantity and seller. Demand is less active but on the other hand supplies are not large and prices are firm. Crude menhaden is stronger as the fishing season in the North draws to a close. With stocks small operators are holding asking prices at 50¢ per gallon. Refined are named at 65¢@68¢ for light strained and 68¢@71¢ for yellow bleached. Pure neatsfoot oil is higher at 14¼¢lb. while the other grades are unchanged. Castor oil is steady at 13¢@13½¢lb.

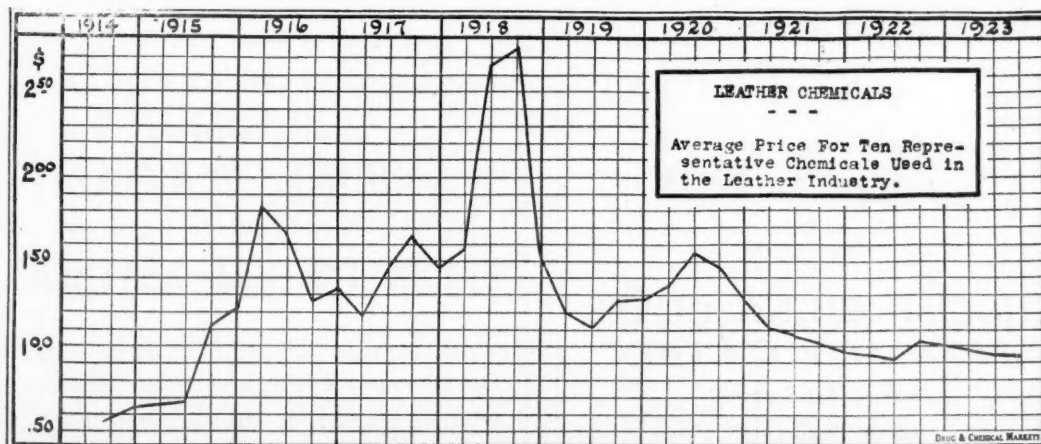
Potassium Bichromate—Improved buying is taking place and makers are unchanged in their prices at 9½¢@10¢lb. according to quantity and seller.

Potassium Titanium Oxalate—Steady at 28¢@30¢lb.

Soda Ash—Consumers are placing contracts for delivery over next year at the new contract prices. Most makers are quoting 58% in carlots of bags at \$1.38 on contract. Dealers report steady business in smaller lots at \$2.04 in five bag lots delivered.

Sodium Bichromate—One large sale was reported during the week and buying in general is said to be improving. Prices are quoted at 7½¢@7½¢lb. according to seller and quantity.

Sodium Sulfide—Crystals have recovered and are now generally quoted at 2¢@2¼¢lb.; solid is unchanged at 3¼¢@3¼¢lb. at works and broken at 4½¢@5¢lb. Better buying is taking place but supplies are still quite plentiful.



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Paper Chemicals

CASEIN IS REDUCED AGAIN

Competition in Quiet Market Keeping Prices Unsettled—Increase in Importations Expected—Bleaching Powder Still Unsettled—Salt Cake Demand Fair—Rosins Quiet—Business Spotty

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Blanc Fixe	75.00	75.00	75.00	80.00	95.00	45.00
Bleaching Powder	1.35	1.35	1.50	2.00	9.50	1.50
Casein .....	.13½	.13½	.15½	.15	.28	.20
China Clay, Dom.	10.00	10.00	10.00	15.00	25.00	8.00
Chlorine .....	.05¼	.05¼	.05¼	.05¼	.30	.08
Salt Cake	21.00	21.00	21.00	25.00	80.00	11.00
Satin White .....	.01¼	.01¼	.01¼	.02	.05	.03
Sodium Silicate, 40° .....	.80	.80	.80	.95	1.75	2.00
Rosin, F grade	5.80	5.80	5.85	6.95	4.05	20.25
Average	11.22	11.22	11.47	14.24	20.14	6.95

Casein is the only item among the paper chemicals which has been showing any activity and this has been due to the keen competition in the market for the passing business. Prices have been again reduced and are now quoted at 10½c/lb. for both the imported and the domestic material. Supplies appear to be plentiful at a time when demand is below normal and when importations from Argentina are usually the largest of the year. Other chemicals are steady though demand is described as spotty. Bleaching powder continues unsettled, owing to competition, and sales at \$1.25 are openly admitted in some quarters. Contracts are being placed at the recent prices announced for 1924. Chlorine appears to have settled at the latest prices, though competition in this field is still keen. Sulfate of alumina is steady. Salt cake is in fair demand. Rosins have been quiet.

Acid, Sulfuric—Demand from consuming industries continues steady both for spot business and for contracts over the coming year. Prices are holding steady with 66° in tanks at \$15.00@\$16.00 ton. Drums at \$1.10 @\$1.25 and carboys at \$1.25@\$1.50; 60° at \$9.00@\$10.00 in tanks. Oleum is fair at \$17.00@\$19.00 ton in tanks and \$1.25@\$1.50 in drums.

Aluminum Sulfate—Contract deliveries are proceeding with fair regularity but new business is more or less spotty. Prices have shown no change and are quoted at \$2.25@\$2.40 for the iron-free according to quantity. Commercial named at \$1.35@\$1.40.

Blanc Fixe—Regular demand is being supplied at unchanged prices. Dry named at \$75.00@\$80.00 ton at works. Imported quoted at \$70.00@\$72.00 ton. Domestic pulp at \$50.00@\$55.00 ton.

Bleaching Powder—The market is still unsettled owing to competition between makers. Business is openly reported at \$1.25 in drums at works though up to \$1.50 is quoted. Most producers are accepting business over next year at \$1.35 for carlots.

Casein—Further reductions have taken place owing to competition and a slackening in demand. Importations are also expected to increase during the next month. Imported material quoted at 8c/lb. c.i.f., making the price 10½c/lb., spot. Domestic also quoted at 10½c/lb.

China Clay—No important developments in the market with contract deliveries fairly steady and new business quiet. Crude domestic named at \$6.00@\$8.00 at works; washed and ground, \$7.50@\$12.00; Imported

filler clay named at \$14.50@\$16.00 ton and coating clay \$25.00 ton.

Chlorine—Conditions have shown little change. Prices remain at recent figures with tanks named at 3¾c/lb. on contract over next year. Large cylinders are quoted at 5½c@6c/lb. according to quantity. Spot business at 6c@8c/lb. in small cylinders.

Salt Cake—Contract sales are being made occasionally but spot business is somewhat routine. Prices are holding at \$21.00@\$24.00 ton according to quantity and seller.

Sodium Bisulfite—Makers are steady in prices at 4½c/lb. for the dry and \$1.25@\$1.75 for the solution according to strength.

Sodium Silicate—Demand is along steady lines with prices unchanged in makers' hands; 40° named at 70c in tanks at works and \$1.30 in drums, spot; 60°, \$1.75 @\$1.90.

Sulfur—Prices holding steady at \$14.00@\$15.00 ton at mines and \$18.00@\$19.00 ton, New York.

Rosin—Contract business is reported fair but spot buying is quiet. Prices are holding steady, however. B to K, \$5.80; M, \$5.85; N, \$6.15; WG, \$6.75; WW, \$7.00.

It is estimated that for the nine months ended Sept. 30, International Paper Co., earned close to \$3,000,000 available for dividends on the preferred stock outstanding. Deducting pro-rata share of preferred dividends for the period would leave approximately \$1,875,000 for the 199,230 shares of common, or about \$9 a share. This indicates the progress made in rehabilitation which the management has made this year. Last year the company showed a deficit of \$4,715,000 before payment of preferred dividends and before a \$2,800,000 charge-off for depreciation of inventory.

The value of pulp and paper output in Canada in 1922 showed an increase of £800,000 over 1921, being placed at £31,157,077, according to a recent report from Canada. Pulp production totaled 2,150,251 tons, newsprint paper, 1,081,364 tons and other paper products 285,451 tons. The number of plants in operation were 104 mills, of which 43 manufactured pulp only, 38 produced paper only, and 28 pulp and paper mills combined.

Cellulose and paper exports from Norway during the first seven months of this year amounted to 551,000 tons, which is 79,000 tons more than for the same period last year and 28,000 more than in 1913.

OTHER PULP AND PAPER MATERIALS

For reports on chemicals, bleaches, fillers, and other raw materials for the pulp and paper industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on fourth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

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Rubber Chemicals

CARBON BLACK FIRM THOUGH QUIET

Makers Curtail Production—Benzene Easy Owing to Recent Cut in Gasoline—Acetone Active and Firm—Hexamethylene Active—Aniline Oil Routine—White Barytes Firm

	Trend of the Market			Last Year	War Peak	Pre-War
	Today	Last Week	Last Month			
Carbon Black	\$11¼	\$11½	\$14	\$15	\$30	\$14
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Tetrachl. ....	.09	.09	.09	.09	.70	.07
Benzene, Pure .....	.22	.23	.25	.30	1.10	.25
Antimony Sulfide Crim. ....	.39	.39	.36	.35	.45	.35
Talc, Dom., Ref.	18.00	18.00	18.00	20.00	40.00	15.00
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08¾	.08¾	.08¾	.07	.09½	.09
Lithopone .....	.07	.07	.07	.06	.08	.04
Sulfur	3.05	3.05	3.00	2.50	6.50	2.75
Average	3.607	3.608	3.605	4.158	7.972	2.979

The time to purchase rubber chemicals has arrived, according to several factors in the trade. With the market more or less quiet and with stocks ample, except in a few cases, much higher prices will undoubtedly be demanded by sellers, if the demand equals that of last year. As a whole, however, prices are well maintained in the face of routine demand. Few changes have been noted during the week. The recent reduction on tires appears to have resulted in some stocks of chemicals passing into consumption.

Carbon black prices are firm, owing to curtailment of production. Export to Europe has been small, but orders are being received from China that are well up to normal. The recent cut in gasoline may eventually have its effect on benzene. Acetone remains firm and some quarters state that an actual scarcity exists. Hexamethylene has been in active demand. White barytes is firm and steady.

Acid, Acetic—No pronounced demand has been noticeable and buying is somewhat routine. Prices are unchanged at \$3.38@\$3.63 for 28%; 56%, \$6.75@\$7.00; 70%, \$8.38@\$8.63; glacial, \$12.78@\$13.53.

Acetone—Stocks are reported in limited quantity and present prices are firm. Methyl, \$1.15@\$1.20 gal.; C.P., 25c@25½c; acetone oil, \$1.25@\$1.30 gal.

Aniline Oil—In routine demand at 16c@17c. Stocks ample for all present requirements.

Aluminum Sulfate—Demand light, 5c@6c. spot.

Antimony Sulfide—Consumption along steady lines at 19c@24c. for golden as to quality, and 39c@50c. spot for crimson.

Asbestine—Business reported at a standstill at \$18@ \$20 ton works.

Benzene—Named at 21c@22c gal. works in tanks, and 26c@28c gal. in drums for 90 per cent material with possibility of shading these figures on firm business. Pure lower at 22c@25c gal. in tanks, and 27c@30c gal. in drums. The bottom of the gasoline market does not appear to have been reached as yet.

Blanc Fixe—Consumption routine at 4c@4½c. f.o.b. New York.

Carbon Bisulfide—Steady at 6c@7½c. spot as to quantity.

Carbon Black—Prices are well maintained owing to a reduction in output at 11½c@13½c. spot in cases

as to quantity and seller, and contracts at 9½c@11½c. Export to the Orient is active, but Europe is taking little supplies. This item appears to have lost its ability to attract new manufacturers.

China Clay—Supplies ample for present needs at \$13 @ \$20 ton for domestic at points of production, \$18@ \$20 ton for imported. Last week saw over 100 tons imported at New York.

Dimethylaniline—Steady at 41c@42c. works.

Diphenylguanidine—Reported quiet at \$1.10@\$1.15lb. spot by makers as to quantity. Resales slightly below these figures.

Hexamethylene—Some large sales were reported last week at 82½c@85c. spot as to quantity.

Iron Oxide—Named at 3½c@7½c. spot for Spanish, and 12c@16c. for English.

Lithopone—Unchanged and quiet at 7c@7½c. spot.

Mineral Rubber—Firm and in steady demand at \$35 @ \$50 ton for 300/315 material.

Sulfur—Quiet at \$3.05@\$3.30 cwt.; superfine at \$2.50 @ \$2.90; and chloride at 6c@7c. spot.

Talc—Domestic quoted at \$15@\$18 ton works; French at \$40@\$45 ton; and Italian at \$47@\$58 ton.

White Barytes—In active demand at \$27@\$33 ton works.

Whiting—Quoted at \$10@\$18 ton for domestic as to quality at points of production; gilders' bolted at \$1.16 cwt.; and English cliffstone at \$1.50 cwt.

Although Ceylon is an important source of crude rubber, the production of manufactured rubber goods in the island has attained very little importance. Imports of rubber goods into Ceylon in 1922 were valued at 1,889,014 rupees, according to a report to the Commerce Department from Consul M. M. Vance, Colombo. Of this value, rubber tires constituted 91.1 per cent, indicating an abnormally small market for rubber goods of other descriptions. Imports of rubber footwear are classified with "boots and shoes" instead of with "rubber manufactures", in the official returns.

Commercial rubber in Florida may be a reality, according to reports from rubber growers in Dade County. An experimental rubber plantation of 23,000 acres is being conducted by J. E. Ingraham, president of the Model Land Co., of Augustine.

J. M. Ball, of R. T. Vanderbilt Co., New York, rubber chemicals, is on a business trip through the Middle West and will return the last of the month.

OTHER COMPOUNDING INGREDIENTS

For reports on chemicals, solvents, fillers, vulcanizing compounds, colors, and other raw materials for the rubber industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on third page toward the back of the book. Prices are for goods f.o.b. New York or works prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.



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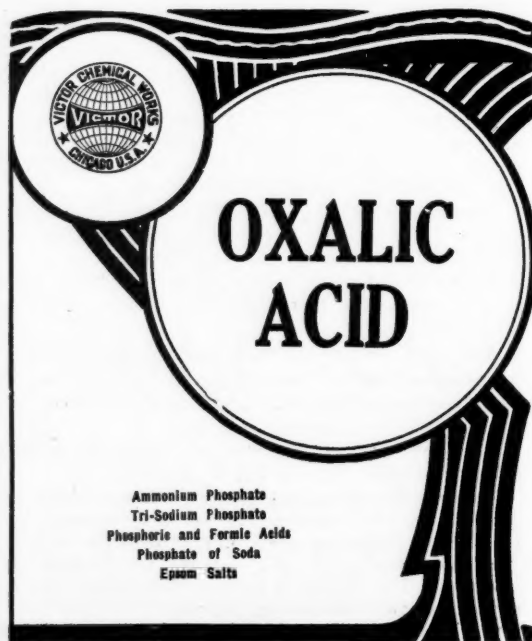
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Textile Chemicals

STARCHES AND DEXTRINES REDUCED

Lower Cash Corn Prices Reason for Decline—Tapioca Flour Stronger—Sodium Prussiate in Sharp Decline—Oxalic Acid Advanced—Sodium Bichromate in Good Demand—Alkalis Moving Well

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%.....	\$3.38	\$3.38	\$3.38	\$2.92½	\$17.00	\$1.50
Acid, Oxalic .....	.12	.11¾	.12	.14	.70	.07¾
Bleaching Powder	1.35	1.35	1.25	2.00	9.50	1.50
Copper Sulfate	4.80	4.80	4.90	5.50	20.00	4.50
Epsom Salt, U.S.P.....	2.15	2.15	2.15	2.25	4.25	1.80
Glauber's Salt	1.30	1.30	1.30	1.25	2.50	.80
Potash, Caustic, Imp.....	.07	.07	.07¾	.06½	.87	.12
Soda Ash, 58% wks.....	1.38	1.38	1.45	1.45	4.10	.69
Soda Caustic, 76% wks.....	3.10	3.10	3.16½	3.16½	9.50	1.80
Sodium Bichromate .....	.07¾	.07¾	.07¾	.07½	.45	.04¾
Average	1.772	1.772	1.780	1.817	4.830	1.42

Demand for textile chemicals has been showing a steady improvement. A few price declines have taken place but these have been due to lower primary market conditions or abnormal selling conditions. Formic acid was recently advanced owing to better demand and smaller available stocks. Oxalic acid has been advanced, the higher price being warranted by increased demand. Sodium bichromate has been moving well. Starches and dextrines have been reduced following the lower market prices in cash corn. Tapioca flour is stronger. Alkalis are in steady demand for contract. Sodium sulfide crystals are higher. Sodium prussiate is sharply lower due to keen competition in the field. Bleaching powder is unsettled.

Acid, Acetic—No pronounced demand has been noticeable and buying is somewhat routine. Prices are unchanged at \$3.38@3.63 for 28%; 56%, \$6.75@7.00; 70%, \$8.38@8.63; glacial, \$12.78@13.53.

Acid, Formic—Demand for imported acid continues good and prices are holding at 12½c@14c. for the 90% material. Supplies are not large and are moving as fast as they arrive. Domestic remains at 16c.

Acid, Oxalic—Increased demand is reported and makers have advanced their prices to 12c. at works. Spot prices at 12½c@13c. for domestic and 12c@12½c. lb. for imported.

Acid, Sulfuric—Demand from consuming industries continues steady both for spot business and for contracts over the coming year. Prices are holding steady with 66° in tanks at \$15.00@16.00 ton. Drums at \$1.10 @ \$1.25 and carboys at \$1.25@1.50; 60° at \$9.00@10.00 in tanks. Oleum is fair at \$17.00@19.00 ton in tanks and \$1.25@1.50 in drums.

Bleaching Powder—The market is still unsettled owing to competition between makers. Business is openly reported at \$1.25 in drums at works though up to \$1.50 is quoted. Most producers are accepting business over next year at \$1.35 for carlots.

Chlorine—Conditions have shown little change. Prices remain at recent figures with tanks named at 3¾c. on contract over next year. Large cylinders are quoted at 5½c@6c. according to quantity. Spot business at 6c@8c. in small cylinders.

Glauber's Salt—Buying is taking place in improved volume and supplies are better with the colder weather. Prices are holding at former levels at \$1.30@1.75 according to quantity. Imported is named at 85c@90c per 100 lbs.

Potash Caustic—Domestic material is off the market at present and imported is moving at 7c@7¼c. Shipments are named at 7c.

Potassium Bichromate—Improved buying is taking place and makers are unchanged in their prices at 9½c @10c. according to quantity and seller.

Soda Ash—Consumers are placing contracts for delivery over next year at the new contract prices. Most makers are quoting 58% in carlots of bags at \$1.38 on contract. Dealers report steady business in smaller lots at \$2.04 in five bag lots delivered.

Soda, Caustic—Demand for alkalis is steady and large consumers are anticipating their requirements for the coming year. Deliveries are showing a steady increase in volume. Contract prices are named at \$3.10 for 76% solid in carlots at works. Ground and flake, \$3.50@3.60 works. Dealers' prices for small quantities at \$3.66, ex-warehouse, N. Y. Export is fair with prices at \$3.00@3.25 according to conditions.

Sodium Bichromate—One large sale was reported during the week and buying in general is said to be improving. Prices are quoted at 7½c@7¾c. according to seller and quantity.

Sodium Prussiate—Prices took a drop during the week as competition for business became very keen. Importers were quoting around 11c. with sales reported as low as 10c. for shipment this month. Domestic material is named at 13½c., delivered.

Sodium Sulfide—Crystals have recovered and are now generally quoted at 2c@2¼c.; solid is unchanged at 3¼c@3¾c. at works and broken at 4½c@5c. Better buying is taking place but supplies are still quite plentiful.

Starches and Dextrines

Lower prices have been announced for starches and dextrines. Tapioca flour is stronger. Demand has been increasing steadily and October sales were reported very encouraging. British gum down to \$4.19@4.34; corn dextrine, \$3.84@3.94; yellow, \$3.89@3.99; potato, 7½c@8c. Powdered starch, \$3.42@3.52; pearl, \$3.32 @ \$3.42. Potato starch, 6c@6½c. Tapioca flour, 5½c @7c.

Coal-Tar Dyes

Consumption of dyes has been showing some improvement but buyers are still inclined to purchase in small quantities and only for their present requirements. Increased buying has been reported from the New England mills. Imports of coal-tar dyes last month were the largest of the year with the exception of March, which was the peak month in consumption of chemicals and dyes.

OTHER TEXTILE MATERIALS

For reports on chemicals, oils, fillers, finishing compounds, bleaches, and other raw materials for the textile industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning of next page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls..	.27	.28
100 lb kgs.	.28	.30
USP 200 lb bbls.	.32	.33
Second Hands	.31	.32
Acetic Anhydride, 85% 480 lb drs.	.38	
85% 107 lb clys.	.38	
92-95% 100 lb clys.	.43	.45
Acetone, CP 700 lb drs. c/l wks.	.25	
700 lb drs. l/c wks.	.25 1/4	
350 lb drs. l/c wks.	.25 1/2	
Second Hands, spot.	.30	.32
Acetone Oils, light, drs. wks.	1.25	1.30
Heavy, drs. wks.	1.25	1.30
Acetophenetidin, 150 lb bbls.	1.85	1.90
Acetyl Chloride, 100 lb clys.	.40	.41
ACID, 1, 2, 4, 250 lb bbls.	.130	
Acetic, 28%, 400 lb bbls. c/l		
wks.	3.38	
100 lb wks.	3.63	
56% c/l wks.	6.75	
56% l/c wks.	7.00	
70% bbls. c/l wks.	8.38	
70% l/c wks.	8.63	
80% coml. bbls. c/l wks.	9.58	
80% coml. l/c wks.	9.83	
80% pure bbls. c/l wks.	11.41	
80% pure l/c wks.	11.60	
Glacial, bbls. c/l wks.	12.78	
Glacial, l/c wks.	13.03	
Glacial, USP c/l wks.	13.53	
Glacial, USP l/c wks.	13.85	
Acetylaldehyde, 250 lb bbls.	.75	.85
Second Hands	.72 1/4	
Anthrassic, ton lots drs.	.90	
95-98% 100 lb drs.	1.00	1.10
99-100% 100 lb drs.	1.20	
Benzoin, tech. 100 lb bbls.	.75	
Tech. ton lots bbls.	.70	
USP, 100 lb bbls.	.75	
Second Hands	.73	.77
Boric, crys. powd. 250 lb bbls.	.10 1/4	.11 1/4
Keps, 100 lb	.11 1/4	.11 1/2
Brocner's 250 lb bbls.	.50	1.55
Butyric, 60% pure 5 lb bot.	.50	.60
C.P. 10 lb bot.	1.25	1.50
Camphoric, USP, VIII 1 lb bot.	5.90	6.00
Carbolic, USP crys. see also Phenol		
112 lb tins	.28	.30
25 lb tins	.30	.32
5 lb tins or bot.	.33	.35
1 lb bot.	.37	.39
Liquid USP, 1 lb bot.	.36	.38

ACID, Carbolic—(Continued)		
Crude, 25% 50 gal. bbls.	.35	.36
10%, 50 gal. bbls.	.30	.32
Chloracetic,		
mono 100 lb bbls. wks.	.30	
DI, 150 lb clys. wks.	1.00	
Tri, 425 lb bbls. wks.	2.45	
Chlorosulfonic, 1500 lb drs.		
wks.	.15	.16
Chromic, USP 200 lb drums.	.40	
85% Pure, 200 lb drums.	.35	
Chromotropic, 300 lb bbls.	1.25	
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb cans.	3.93	
CITRIC, USP crys. 230 lb bbls.	.49	
Powd., USP 200 lb bbls.	.50	
Imported, crys. 112 lb kgs.	.48	.49
Single kegs	.48	.49
Cleves, 250 lb bbls.	1.00	1.10
Creyllic, 95% dark dr. NY.	.70	.75
97-99% straw, drs. wks.	.83	.85
97-99% pale, drs. NY.	.83	.85
Crude, spot, drums.	.83	.85
Diethylbarbituric, 10 lb lots,		
1 lb bot.	8.50	10.50
Formic, 75% tech. 100 lb clys.	.11	.12
90%, 75 lb clys. incl.	.12 1/4	.14
Gallie, USP 150 lb bbls.	1.80	.85
Gamma, 225 lb bbls. wks.	1.80	1.90
Bbls. ton lots wks.	1.70	1.80
Glycerophosphoric, 25% 1 lb b.	1.50	1.60
H 225 lb bbls.	.80	.85
Bbls. ton lots wks.	.75	
Hydroiodic, 10% USP 5 lb bot.	.73	
Hydrobromic, 48% coml. 155 lb		
clys. wks.	.35	.40
48% coml. 10 clys. wks.	.40	
40% USP 155 lb clys. wks.	.45	.46
10% USP 100 lb clys. wks.	.11	.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb clys.	.09	.11
HYDROFLUORIC, 30% 400 lb bbls.		
wks.	.07	
30% bbls. c/l wks.	.06	
30% 100 lb clys. wks.	.07	
48% single 100 lb cly. wks.	.11	
48% 10 clys. wks.	.10	
52% 100 lb cly. wks.	.12	
52% 10 cly. wks.	.11	

Acid, hydrofluoric—(continued)		
60% 100 lb cly. wks.	.14	
60% 300 lb dr. wks.	.13	
White Acid, 100 lb cly. wks.	.26	
White Acid, 10 clys. wks.	.25	
Hydrofluosulfic, 35% 450 lb bbls.	.15	.16
wks.		
Hypophosphorous, USP 30% 5		
gal. dems.	.95	
USP, 10% 5 gal. dems.	.32	
LACTIC, 22% dark 500 lb bbls.	.04 1/4	.05
22% light, bbls.	.05 1/4	.06
44% dark, bbls.	.09 1/4	.10
44% light, bbls.	.11 1/4	.12
66% bbls, dark, bbls.	.14 1/4	.15
66% light, bbls.	.25	.30
USP IX 100 lb clys.	.70	.75
USP VIII 100 lb clys.	.70	
Laurent's, 250 lb bbls.	.90	
Metanilic, 250 lb bbls.	.60	.65
Mixed, sulfuric-nitric		
Drums, wks.	.07 1/4	.08
Drums, wks.	.01	.01 1/4
Tank cars, wks.	.07 1/4	.08
Tank cars, wks.	.0099	.01
Molybdic, 85% pure 1 lb bot.	1.60	1.70
85% pure, 100 lb kegs.	.185	
Monosulfuric F, Delta. 50 lb		
tins	2.30	
MURIATIC, 20° clys. l/c/l		
wks.	1.40	1.50
Clys. c/l wks.	1.25	1.50
Tank cars, wks.	1.00	1.10
18°, 120 lb clys.		
c/l wks.	1.00	1.10
Tank cars, wks.	.90	1.00
22°, 120 lb clys.		
c/l wks.	1.75	2.00
Iron, free 20° clys.		
c/l wks.	1.00	
Tank cars, wks.	.01	
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthionic, tech. 250 lb bbls.	.62	
Refined, single bbls.	.65	
Neville & Winther's, 250 lb		
bbls.	1.10	1.15

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Chya, wks.100B	4.75	: 5.00
Chya, c/l wks.100B	4.50	: 4.75
38° single chya, wks.100B	5.50	: 5.75
Chya, c/l wks. ....100B	5.25	: 5.50
40° Single chya, wks. ....100B	6.00	: 6.50
Chya, c/l wks. ....100B	5.75	: 6.00
42° Single chya, wks. ....100B	6.75	: 7.50
Chya, c/l wks. ....100B	6.50	: 7.00
C. P. chya, single wks. ....100B	.14	: .16
Oxalic, 325B bbls. wks. ....B	.12	: .12½
Bbls., NY .....B	.12½	: .13
Kgs. 100B NY .....B	.13	: .13½
Imp., 560B cases. ....B	.12	: .12½
Phosphoric, 50% tech. 100B		
chya, ....B	.08	: .09
USP, 85% syrupy, 70B		
demis. ....B	.16	: .17
Phthalic, see Phthalic Anhydride		
Picramic, 300B bbls. ....B	...	: .65
Pieric, 450B bbls. ....B	...	: .30
Bbls, car lots wks. ....B	.20	: .25
Pyrogallic, crys. 5B cans. ....B	1.10	: 1.20
Resublimed, 5B cans. ....B	1.50	: 1.60
Tech. powd., 200B bbls. ....B	...	: .80
Salicylic, tech. 125B bbls. ....B	.32	: .33
USP, 100B bbls. ....B	...	: .35
Second Hands. ....B	.34	: .35
Sulfanille, 250B bbls. ....B	.17	: .20
SULFURIC, 66° 180B chya.		
le/l wks. ....100B	1.50	: 1.75
Chya, c/l wks. ....100B	1.25	: 1.50
1500B Drums, le/l		
wks. ....100B	...	: 1.25
Drums, c/l wks. ....100B	...	: 1.10
Tank cars, wks. ....net ton	15.00	: 17.00
60° 1500B Drums.		
le/l wks. ....100B	.70	: .90
Drums, c/l wks. ....100B	.60	: .80
Tank cars, wks. ....net ton	9.00	: 11.00
C. P. 175B chya. ....100B	...	: .09

Acid Sulfuric

Oleum, 20 p.c. 1500B drums,		
le/l wks. ....100B	1.50	: 1.75
Drums, c/l wks. ....100B	1.25	: 1.50
Tank cars, wks. ....net ton	17.00	: 19.00
Contract cars, wks. ....ton	...	: ...
Oleum, 40% drs le/l wks.net ton	...	: 40 00
Oleum, 60% drs., le/l wks. net		
ton	...	: 70.00
Sulfurous, USP 6% 100B chya. B	.05	: .06
4% 100B chya. ....B	.04	: .05
USP, 5 gal. demis. ....B	.06	: .08
Tannic, tech. 300B bbls. ....B	...	: .45
USP, powd. 200B bbls. ....B	.80	: .83
USP, fluffy, 50B bbls. ....B	.80	: .83
Tartaric USP cryst 300B bbls. B	...	: .32½
USP, powd. 300B bbls. ....B	...	: .32½
Imp. USP, 240B bbls. ....B	.29	: .30
Powd. 240B bbls. ....B	.30	: .31
Tobias, 250B bbls. ....B	1.00	: 1.10
Tungstic, 100B kgs. ....B	...	: 1.00
Valeric, C.P., 10B bot. ....B	4.00	: 4.25
Aconitine Alk. cryst. 1 oz. vis. os	...	: 30.00
Amorphous, 1 oz. vis. ....os	...	: 20.00
Adeps Lanae, hydrous 350B bbls. B	.21	: .23
Anhydrous, 350B bbls. ....B	.23	: .24
Albumen, Egg, edible. ....B	1.15	: 1.20
Technical, see Dyers Sundries		
ALCOHOL, USP 190 pf. 50 gal.		
bbls. ....gal	4.74	: 4.82
Second Hands, bbls, USP 190		
pf. ....gal	...	: ...
Export, USP, 190 pf. ....gal	.45	: .83
Cologne Spirit, 50 gal. bbls. gal	4.77	: 4.87
WOOD, see Methanol		
Alcohols, also in 50 gal		
drums, extra and returnable.		
Amyl, see Oil Fuel		
Butyl, 50 gal. drums. ....B	.45	: .50
Isobutyl, crude 50 gal. drums. gal	...	: ...
Refined, 10B can. ....B	2.00	: 2.50

ALCOHOL—(continued)

Isopropyl, crude 50 gal. drs. gal	...	: 2.25
Refined, 50 gal. drs. ....gal	4.00	: 4.50
Ref'd, 91%, drs. ....gal	...	: 3.50
Methyl, see Alcohol, Wood		
Propyl, nml. crd 50 gal. drms. gal	...	: 4.40
Refined, 10B can. ....B	...	: .75
Denatured		
No. 1 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.52	: .54
50 gal. drums, extra. ....gal	.47	: .49
No. 1 Special Denat. 190 Proof		
50 gal. bbl. incl. ....gal	.50	: .52
50 gal. drums, extra. ....gal	.44	: .46
No. 5 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.49	: .51
50 gal. drums, extra. ....gal	.43	: .45
No. 6 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.49	: .51
50 gal. drums, extra. ....gal	.42	: .44
In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Aloin, USP 100B cases. ....B	.90	: .95
Alpha-Naphthol, crude 300B bbls. B	...	: .65
Refined, 300B bbls.B	...	: .75
Alpha-Naphthylamine, 350B bbls. B	.35	: .37
Ton lots, bbls, wks.B	...	: .35

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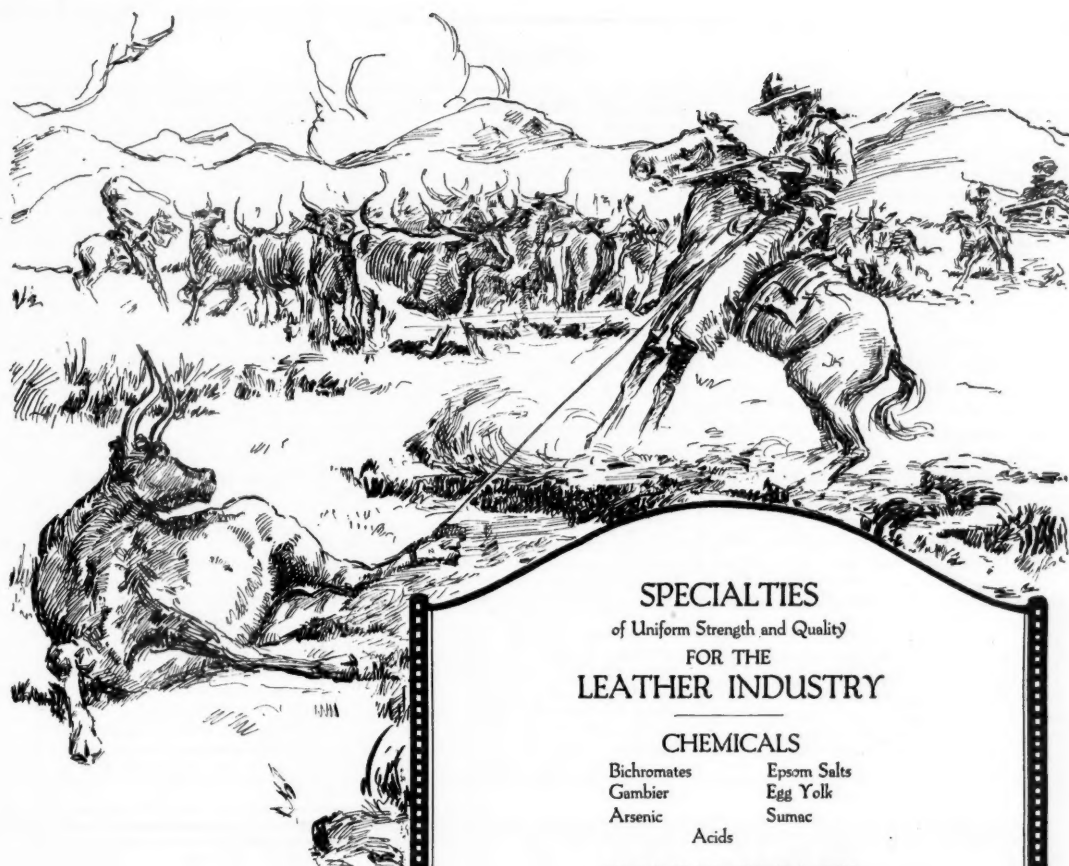
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Chestnut Wood	Divi Divi
Eureka Wattle	Hemlock
Myrabolam	Quebracho (Liquid)

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Valonea
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Myrabolams	Divi Divi
Wattle Bark	Mangrove Bark

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Chemicals

ALUM, Ammonia, lump 400 lb bbls.			AMMONIA anhyd. 100 lb cyl....D			AMMONIUM—(Continued)		
wks. ....100 lb	3.50	: 3.65	Water, 26° 800 lb dra. wks..D	...	: .07½	Persulfate, 112 lb cases.....D	.40	: .45
Imp., 500 lb casks....100 lb	3.50	: 4.00	Dra. c/l wks.....D	...	: .07½	Phosphate, dibasic 200 lb bbls..D	.35	: .36
Ground, 400 lb bbls. wks.100 lb	3.65	: 3.75	C.P., chys.....D	...	: .14	Tech., powd. 325 lb bbls....D	.15	: .17
Powd., 380 lb bbls. wks.100 lb	3.90	: 4.00	Imp., 800 lb dra.incl.spot..D	...	: .06½	Salicylate, USP 100 lb kegs..D	...	: .58
Chrome 500 lb cks wks.100 lb	5.50	: 6.00	26° 100 lb chys. le/l wks..D	...	: .08½	Sulfate, bulk c/l wks....100 lb	2.90	: 2.95
Potash, lump 400 lb bbls.			Chys., c/l wks.....D	...	: .08½	200 lb single bgs c/l wks.100 lb	3.05	: 3.10
wks. ....100 lb	...	: 4.50	20° 800 lb dra. le/l wks..D	...	: .08	200 lb double bgs, f.a.s.100 lb	3.10	: 3.40
Bbls. c/l wks.....100 lb	...	: 4.25	Chys., le/l wks.....D	...	: .07½	Sulfocyanide, tech. 100 lb kegs..D	...	: .50
Cont. bbls. c/l wks....100 lb	...	: 4.25	18° 800 lb dra. le/l wks..D	...	: .05½	CP, 25 lb jars.....D	.75	: .80
Imp. 650 lb cases s.p....100 lb	3.00	: 3.25	Chys., le/l wks.....D	...	: .07½	Amyl Acetate, tech. 50 gal. dra.gal	4.50	: 4.75
Ground, 400 lb bbls. wks.100 lb	4.35	: 4.60	16° 800 lb dra. le/l wks..D	...	: .04	Pure, 5 gal. cans.....gal	7.00	: 8.00
Imp. 650 lb casks.....100 lb	3.00	: 3.25	Chys., le/l wks.....D	...	: .07	Alcohol, see Fusel Oil		
Powd., 380 lb bbls. wks.100 lb	4.50	: 4.75	Ammonium Acetate, 100 lb kegs..D	...	: .40	ANILINE OIL, 900 lb dra.....D	.16	: .17
Chrome, 700 lb cks wks.100 lb	5.50	: 6.00	Benzoate, USP, 1 lb bot.....D	...	: .98	Aniline Salt 200 lb bbls.....D	.23	: .24
Soda, grd. 400 lb bbls. wks.100 lb	...	: 4.00	Bifluoride, 300 lb bbls.....D	...	: .22	Anthracene, 40-45% 600 lb casks		
Bbls. c/l wks.....100 lb	...	: 3.50	100 lb kegs.....D	...	: .23	wks.....D	.12	: .17
Aluminum, metal, c/l NY....100 lb	25.00	: 26.00	Bromide, 50 lb boxes.....D	...	: .33	80-85%, 600 lb casks wks..D	.75	: 1.00
Chloride, anhyd. 275 lb dra..D	.20	: .22	Imported, 112 lb boxes.....D	...	: .17½	Anthraquinone, subl 125 lb bbls..D	1.30	: 1.35
30% sol. 120 lb chys.....D	.03½	: .04	Carb., tech. 560 lb casks..D	...	: .09	30% paste 350 lb bbls.....D	.80	: .85
Hydrate 96% light 90 lb bbls..D	.18½	: .20	Powd., tech. 385 lb bbls..D	...	: .09½	Antimony metal, slabs ton total100 lb	9.25	: 9.37
SULFATE, Iron-free bags c/l			USP, lump, 100 lb kegs.....D	...	: .09½	Needle Powd., 100 lb cases.....D	.06½	: .06½
wks. ....100 lb	2.25	: 2.40	Powd., 100 lb kegs.....D	...	: .10½	ANTIMONY CHLORIDE, anhyd 1000 lb		
Imported, spot.....100 lb	...	: 2.25	Chloride, Domestic			dra. ....D	...	: .35
Comm'l., ¾% iron, bgs. c/l			White gran. 250 lb bbls.NY..D	...	: .08	50 lb crocks.....D	.45	: .48
wks. ....East 100 lb	...	: 1.40	Bbls., c/l wks.....D	...	: .07½	Sol'n, 130 lb carboys.....D	...	: .11
Cont. bgs. c/l wks. E.100 lb	...	: 1.40	Gray 250 lb bbls, wks.....D	...	: .08½	Oxide, 500 lb bbls.....D	.07	: .07½
Bags, c/l wks. W....100 lb	...	: 1.35	Bbls., c/l wks.....D	...	: .08	Salt, dom. 500 lb bbls.....D	.24	: .25
Bbls., c/l wks. East.100 lb	...	: 1.55	Imp. wh. 600 lb cases spot..D	...	: .06½	Imp., NY.....D	.19	: .20
Bulk, c/l cont. wks. E.100 lb	...	: ...	Gray, 600 lb casks spot..D	...	: .07½	Sulfuret, golden 500 lb bbls....D	...	: .31
Amidol, (see Diaminophenol)			Lump, 500 lb casks spot....D	...	: .14	336 lb kegs.....D	...	: .19
Amidopyrine, 10 lb boxes.....D	4.60	: 5.00	Ichthyolate, as to brand.....D	3.75	: 4.00	Crimson, 500 lb bbls.....D	...	: .38
1 lb cartons, 10 lb.....D	...	: ...	Iodide, USP, 25 lb jars.....D	...	: 5.20	336 lb kegs.....D	...	: .36
Aminobenzene, 110 lb kegs....D	...	: 1.15	Lactate, 500 lb bbls.....D	...	: .15	Red, 500 lb bbls.....D	...	: .45
			Nitrate, tech. crys. 225 lb bbls..D	...	: ...	336 lb kegs.....D	...	: .42
			Refined Crystals, bbls.....D	...	: .18	Tartroacetate, 500 lb bbls....D	...	: .45
			CP gran. 100 lb kegs.....D	...	: .35	Antipyrine, USP, 100 lb cases...D	2.35	: 2.50
			Oxalate, pure, 100 lb kegs....D	...	: .40	Apomorphine Hydrochloride, ¼ oz. via.oz	19.10	: 19.35
						Arecoline Hydrobromide, 1 oz. vial..oz	9.00	: 10.50
						Argols, red powd. 350 lb bbls....D	.06½	: .07

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Chemicals

Arsenic, metal 220 lb kegs.....lb	45		Benzidine Base, dry 250 lb bbls. lb	82		BISMUTH—(Continued)		
Red, 224 lb kegs cases.....lb	15	15 1/4	10 bbl. lots.....lb	80	82	Subiodide, 5 lb lots.....lb	4.70	
White, 550 lb bbls., c/l NY. lb	14 1/4	14 1/4	Benzidine Sulfate, paste 350 lb			Subnitrate, USP, 250 lb bbls. lb	2.90	
Asbestos.....ton	18.00	18.00	bbls.....lb	70	72	Second Hands, bbls. or less. lb	2.80	
Aspirin, see Acid Acetylsalicylic			Benzol, see Benzene			Cones, 1 lb bot.....lb	3.95	
Atropine Alk. USP, 1 oz. vial.....oz	7.50	8.00	Benzonaphthol, 5 lb boxes.....lb	3.50	3.60	Subsalicylate, USP, 175 bbls. lb	3.10	
Sulfate, 5 oz. cans.....oz	4.00		Benzoyl Chloride, 500 lb drs.....lb	1.00		Tannate, 1 lb bot.....lb	2.73	
Single ounce.....oz	4.17		Benzyl Acetate, 100 lb clys.....lb	1.40	1.50	above on basis 25 lb lots.		
BARIUM BINOXIDE, see Barium dioxide			Alcohol, 5 lb bot.....lb	1.60	1.70	Smaller lots at an advance.		
Carbonate, precip., 800 lb bbls.			Benzoate, 5 lb bot.....lb	1.50	1.60	Blanc Fixe, dry 400 lb bbls, wks. ton	75.00	80.00
wks.....ton	70.00		Medicinal PFC.....lb	1.75	1.85	Imported, bbls.....ton	70.00	72.00
Imports, bbls., spot.....ton	75.00		Chloride, 95% tech. 925 lb drs. lb		.30	Paste, 650 lb bbls.....ton	50.00	55.00
Precip., 200 lb bgs., wks.....ton	70.00		100 lb clys.....lb	.30	.35	BLEACHING POWDER, 700 lb drs.		
Chloride, 800 lb bbls. wks.....ton	80.00	82.00	Redistil. 100 lb clys.....lb	.40	.45	c/l wks.....100 lb	1.50	
200 lb bgs. wks.....ton	82.50	85.00	Formate, 1 lb bot.....lb	4.00	4.25	Drums lc/l ex-warehouse.....100 lb	1.90	2.00
Import, bbls., spot.....ton	82.50	85.00	Berberine Hydrochloride, 1 lb bot.....lb	22.50		Contract, c/l wks.....100 lb	1.35	1.50
Dioxide, 88% 690 lb drs.....lb	.17	.18	Sulfate, acid or neut. 1 lb bot. lb	22.00		F. a. a. c/l.....100 lb		
Import, 83-85% 400 lb drs. lb	.14	.15	BETA-NAPHTHOL, 350 lb bbls, wks. lb	.26		Imported, spot.....100 lb		
Hydrate, 500 lb bbls.....lb	.05	.06	Carlots, wks.....lb	.25		Blue Ointment, see Mercury		
Iodide, 5 lb box.....lb	5.15		Sublimed.....lb	.55	.60	Mass, see Mercury		
Nitrate, 700 lb casks.....lb	.10		Beta-Naphthylamine, tech. 200 lb.			Bone Ash, 100 lb kegs.....lb	.02	.02
Import casks.....lb	.07 1/2	.08	bbls.....lb	.76		Black, 200 lb bbls.....lb	.08	.08
Sulfocyanide 400 lb bbls.....lb	.35		Sublimed, 200 lb bbls.....lb	1.35		Borax, USP, crys. 400 lb bbls. lb	.05 1/4	.06
Barytes, floated 350 lb bbls.....ton	33.50	35.00	Bichloride Mercury, see Mercury Bichloride			Powdered, USP, 300 lb bbls.....lb	.05 1/4	.06
Bay Rum, Porto Rican, genuine			BISMUTH metal, 150 lb cases.....lb	2.80	2.85	Kegs, USP, 100-150 lb.....lb	.08	.08 1/4
Denat. salicy acid or tartar emetic			Second Hands.....lb	2.80	2.85	Sordeaux Mixture, powd. bbls.....lb	.12	.15
45 gal. bbls.....gal	2.75	3.00	Ammon. Citrate, USP 5 lb bxs. lb		5.75	Paste, bbls.....lb	.08	.10
Denat. quinine sulf. 45 gal.			Betanaphtholate, 5 lb bxs.....lb		3.35	Borneol, 1 lb bot.....lb		3.50
bbls.....gal	2.85	3.00	Citrate, USP 5 lb bxs.....lb		3.15	Bromide, see potass. bromide, etc.		
Domestic synthetic, 50 gal.			Nitrate, 25 lb jars.....lb		2.00	Bromine, bot. in 60 lb cs. wks. lb		.29
bbls.....gal	1.10	1.25	Oxychloride, 250 bbls.....lb		3.50	Bromobenzene, 600 lb drums.....lb	.40	.42
Benzaldehyde, tech. 945 lb drs.			Phenolsulfonate, 5 lb cans.....lb		3.20	Bromoform, USP 5 lb bot 50 lb cs. lb		1.50
wks.....lb	.75	.80	Salicylate, 250 bbls.....lb		2.00	Erucine Sulfate, 100 ozs.....oz		.20
USP, 40 lb clys.....lb	1.50	1.60	Subcarbonate, USP, 250 bbls. lb		3.40	Butter of Antimony, see Antimony Chloride		
FFC, 40 lb clys.....lb	1.75	1.85	X-Ray diag. 1 lb bot.....lb		3.80	CADMIUM, metal 100 lb bxs.....lb	1.20	1.25
BENZENE, 90% 8000 gal. tanks			Subgallate, USP 175 lb bbls. lb		2.80	Bromide, 50 lb cases jars.....lb		1.10
wks.....gal	.21	.22				Iodide, 10 lb bot.....lb		4.45
110 gal. drs. wks.....gal	.26	.28				Sulfide, cs.....lb	1.50	1.60
Pure, Tanks, wks.....gal	.22	.24						
110 gal. drs. wks.....gal	.28	.30						

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THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

Chemicals

CAFFEINE ALK, USP 5 lb cans..D	4.00	: 4.25	CAMPHOR, Amer. ref. 250 lb	...	: .83	Chalk, drop 175 lb bbls.....D	...	: .03%
Second Hands .....	...	: 3.90	bbls. ....	...	: .84	Precip. light 250 lb cks.....D	...	: .04%
Hydrochloride, 1 lb bot.....D	7.12	: 7.32	2 1/2 lb slabs, 100 lb cs.....D	...	: .94 1/2	Precip. heavy 500 lb cks.....D	...	: .04
Sulfate, 1 lb bot.....D	...	: 5.50	1 lb cakes, 100 lb cs.....D	...	: .98 1/2	Bulk	5.00	: 8.60
Citrate, 25 lb cans.....D	3.00	: 3.10	1 oz. tab., 1 lb ctms. ....	...	: .98 1/2	Precip. English, 7 lb bags.....D	...	: .07 1/2
Hydrobromide, 1 lb bot.....D	...	: 4.75	100 lb cs. ....	...	: .99	Charcoal, Bone, see bone black	...	
CALCIUM Acetate, 150 lb bgs, c/l	...		1/2 oz. tab., 1 lb ctms. ....	...	: .99	Wood, powd. 100 lb bbl.....D	.04	: .05
100 lb .....	...	: 4.00	100 lb cs. ....	...	: .86	Willow, powd. 100 lb bbl.....D	.06	: .07
Arsenate, 100 lb bbls. c/l wks..D	.15	: .15 1/2	Jap. ref. 2 1/2 lb slabs, 100 lb	...	: 1.01	China Clay, Dom., crude.....ton	6.00	: 8.00
Bbls. lc/l wks.....D	.15 1/2	: .18	cs. ....	...	: 1.03	Washed & Ground	7.50	: 12.00
Bromide, 100 lb cs.....D	...	: .44	1 oz. tab., 100 lb cs. 1 lb	...	: 1.03	Imp., Filler Clay	14.50	: 16.00
Carbide, 220 lb dr. c/l wks..D	...	: .04 1/2	tins .....	...	: .90	Coating .....	...	: 25.00
Drums lc/l wks.....D	...	: .05	1/2 oz. tab. 100 lb cs. 1 lb	...	: .72	Chloral Hydrate, USP 100 lb drs..D	.70	: .75
Carbonate, tech. 100 lb bags	...		tins .....	...	: .73	25 lb jars .....	.73	: .80
c/l	1.00	: 1.10	Chinese ref. 2 1/2 lb slabs 100 lb	...	: .60	Chinoidin, 170 lb cases.....D	.65	: .75
USP, precip. 175 lb bbls..D	...	: .04	cs. ....	...	: .75	Chloramine-T, 5 lb bot.....D	1.25	: 2.50
Chloride, solid, 650 lb drs. c/l	...	: 24.50	Crude, 100 lb cs.....D	...	: 1.85	Chlorosane, 5 lb bot.....D	.55	: .75
f.o.b. NY .....	...		Campbor, Monobrom. 100 lb cs..D	...	: .82	Chlorhydrin, Ethylene anhyd, 600 lb	...	: .85
Gran., 350 lb drs. c/l f.o.b.	...		Caramel, 50 gal. bbls.....gal	...	: .75	dra. ....	.75	: .85
NY .....	...	: 30.50	Carbazol, 250 lb bbls.....D	...	: .06 1/2	40% soln. 100 lb clys.....D	.25	: .30
Flake 330 lb drs. c/l drs. f.o.b.	...		Carbon Bisulfide, 500 lb dr./le/1 NY	...	: .06	CHLORINE, Liquid 2000 lb cyl.	...	
NY .....	...	: 30.50	c/l drums, NY.....D	...	: .12	c/l wks. ....	.05 1/2	: .08
Anhyd., 350 lb drs. f.o.b. NY..D	.13	: .30	Carbon Black, 12 1/2 lb bags, wks..D	...	: .10 1/2	Tank car lots wks.....D	.05	: .05 1/2
Glycerophosphate, 250 lb bbls..D	1.50	: 1.60	Carbon Tetrachloride, 1400 lb drs.	...	: .09	100 lb cyl. c/l.....D	...	: .06
Hydrate, (see Lime)	...		Carbon NY .....	...	: .10 1/2	100 lb cyl. lc/l wks.....D	.06 1/2	: .07
Hypophosphite, USP, 25 lb cans..D	.60	: .65	Drums, c/l NY.....D	...	: .09 1/2	100 lb cyl. lc/l, ex-warehouse..D	...	: .09
Iodide, 5 lb bot.....D	...	: 4.35	700 lb drs. single NY.....D	...	: .40	Chlorobenzene, mono. 1000 lb drs.	.11	: .13
Lactate, tech. 500 lb bbls.....D	...	: .13 1/2	Carmin, No. 40 5 lb boxes.....D	4.75	: 4.85	wks. ....	.10	: .11
U.S.F. ....	.50	: .60	Casein, edib. 100 lb keg.....D	...	: .45	Dra. c/l wks.....D	.10	: .11
Nitrate, 220 lb bbls. c/l NY..ton	...	: 40.00	Technical, 200 lb bbls.....D	...	: 4.00	Tank car lots wks.....D	...	: .09
Phosphate, tech. 350 lb bbls..D	.09	: .10	Castoreum, 1 lb boxes.....D	...	: 4.50	CHLOROFORM, USP 50 lb drs..D	...	: .35
Phosphate, precip. tribasic 200	...		Castor Oil, USP 50 gal. bbl.....D	...	: .13 1/2	Second Hands, 650 lb drs.....D	.32	: .33
lb bbls. wks.....D	.10	: .11	Cases, 80 lb 2 tins.....D	...	: .14	Technical, 650 lb drums.....D	.32	: .33
Phosphate, mono. ....	.07	: .09	Tech., see Fixed Oils	...		Chromium Acetate, 20° soln. 400 lb	...	
Sulfocarbonate, 100 lb kegs.....D	.55	: .57	Caustic Potash, see potash, caustic	...		bbls. ....	.08	: .10
Calomel, see Mercury	...		Soda, see soda, caustic	...		Fluoride, Powd. 400 lb bbls.....D	...	: .80
			Cellulose Acetate, 100 lb cases..D	1.75	: 2.00	Soln. 400 lb bbls.....D	...	
			Cerium Oxalate, USP 100 lb kgs..D	...	: .43	Sulfate, 400 lb bbls.....D	.07	: .09
						Chrysarobin, USP, 5 lb cans.....D	2.00	: 2.15
						Cinchonidin alk., pwd. 100 oz. tinsos	...	: .70
						Crystal	: .75
						Sulfate, 100 oz. tins.....cs	...	: .80

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EBG

Chemicals

Cinchonidin alk., pvd. 100 oz. tinsos70	COPPER, metal electrolytic c/l		
Crystal	...	.43	NY	100 lb	13.37 : 13.50
Sulfate, 100 oz. tins.	...	.25	Lake, c/l NY	100 lb	13.50 : 13.62
Citrine Ointment, see Mercury			Casting, c/l NY	100 lb	...
Coal Tar, Tins. & bbls., wks.	gal	.08 : .08	Carbonate, 400 lb bbls.	...	.17 : .17 1/2
Cobalt metal, 100 lb kegs.	...	2.75 : 2.85	Chloride, 250 lb bbl.	...	.28
Cobalt Oxide, 500 lb bbls.	...	2.10	Cyanide, 100 lb drs.	...	.58 : .60
10 lb tins, 200 lb cases.	...	2.35	Iodide, 5 lb bot.	...	5.65
COCAINE alk., USP, 1 oz. vial.	...	10.00	Oxide, red 1000 lb bbls. ton lots	...	.17 : .18
Hydrochloride, USP—1 oz. vials,			Sub-Acetate, verd. 440 lb bbls.	...	.23 : .28
25 ozs.	...	7.07	SULFATE, crys. 450 lb bbls. 1c/l		
In 1/2 oz. vials.	...	7.50	spot	100 lb	4.80 : 4.90
In crystals, granular, powder,			Carlots, bbls.f.o.b. NY	100 lb	4.60 : 4.70
or flaky crystals as desired.			Carlots, bbls. delivered	100 lb	4.95 : 5.25
Cocoa Butter, bulk, 200 lb bales.	...	.26 : .26 1/2	Imp. 550 lb cks.	100 lb	4.50 : 5.00
Fingers, cakes, etc. 12 lb bxs.	...	.34 : .35	Powdered, 350 lb 5 bbls.	...	5.75 : 6.00
CODEIN alk., 1 oz. vial. 10 oz.			Coppers, bulk c/l wks.	ton	20.00 : 21.00
lots	...	8.62	400 lb bbls. c/l wks.	ton	...
Hydrobromide, 1 oz. vial, 10 oz.			200 lb bbs. c/l wks.	ton	...
lots	...	6.92	Powdered, bbls.	100 lb	1.90 : 2.00
Hydrochloride, 1 oz. vial, 10 oz.			Sugar, 400 lb bbls.	100 lb	1.50 : 1.75
lots	...	7.77	Corn Syrup, 42 deg. 50 gal.		
Nitrate, 1 oz. vial, 10 oz. lots.	...	7.77	bbls.	100 lb	...
Phosphate, 1 oz. vial, 10 oz.			43 deg. 50 gal. bbls.	100 lb	...
lots	...	6.47	Corrosive Sublimate, see Mercury Bichloride		
Salicylate, 1 oz. vial, 10 oz.			Cotton Soluble, 100 lb bbls. wet.	...	.40 : .42
lots	...	6.47	Coumarin, 25 lb tins.	...	4.50 : 4.65
Sulfate, 1 oz. vial. 10 oz. lots.	...	6.92	Second Hands	...	4.35
Small Sizes, 1/2 oz. vials, 50c extra,			CREAM TARTAR, USP, 300 lb		
3/4 oz. 25c extra, singles 7c extra			bbls.	...	.25 1/2
per oz.—25 oz. lots, 10c oz. cheaper			Imp. powd. USP, 224 bbls.	...	.24
than above. Less than 10 oz. 15c oz.			Creosote, USP, 42 lb clys.	...	.40 : .42
higher than above.			Carbonate, 1 lb bot. 25 lb	...	1.80 : 2.00
COD LIVER OIL, Norwegian, 30 gal.			Creosote Oil, 50 gal. drs.	gal	.20 : .22
bbls.	...	25.00 : 26.00	Cresol, USP 400 lb bbls.	...	.25 : .30
Newfoundland, 30 gal. bbls.	...	...	Cyanamide, bulk c/l wks. Amm. unit	...	2.25
Colchicine alk., USP 1 oz. vial.	...	30.00	DIAMINOPHENOL, 100 lb kegs.	...	3.80
Salicylate, 1 oz. vial.	...	45.00	Diamidine, 100 lb kegs.	...	4.60
Colloid USP 30 lb drums.	...	.23	Diethylbenzene, 1000 lb drs.	...	.06 : .07
Ethyl Benzyl Aniline, 300 lb drs.	...	1.30	Diethylaniline, 850 lb drs.	...	.60 : .65
			Diethyl Phthalate, 25 lb cans.	...	.55 : .65
			1000 lb drs.	...	.45 : .50
			Diethyl Sulfate tech. 50 gal. drs.	...	.20 : .25
			CP drums	...	.40 : .50
			Digitalin, Pure, 1 oz. vial.	...	10.00 : 10.25
			Dimethylaniline, 840 lb drs. wks.	...	.40 : .41
			Dimethylsulfate, 100 lb drs.	...	.50
			Dinitrobenzene, 400 lb bbls.	...	.19 : .20
			Dinitrochlorobenzene, 400 lb bbls.	...	.19 : .20
			Dinitronaphthalene, 350 lb bbls.	...	.32 : .34
			Dinitrophenol, 350 lb bbls.	...	.40
			Dinitrotoluene, 300 lb bbls.	...	.19 : .20
			Dionin, see Morphine, Ethyl		
			Diphenylamine, 250 lb bbls.	...	.48 : .50
			Diphenylguanidine, 170 lb bbls.	...	1.15 : 1.20
			Dover's Powder, USP 5 lb tins.	...	2.20 : 2.30
			Duboisine Sulfate, 1 oz. vial.	...	55.00
			EARTH, Diatomaceous, see Kieselguhr		
			Emetine, alk., 15 gr. vial.	...	1.65
			Hydchlide, USP 1 oz. vial.	...	18.00 : 19.00
			15 gr. vials	...	.82
			EPSOM SALT, tech. 300 lb bbls.		
			NY	100 lb	...
			Bbls. c/l NY	100 lb	...
			100 lb bbs. c/l NY	100 lb	...
			Imp., 220 lb bbs. c/l	...	1.80
			NY	100 lb	1.00 : 1.10
			USP, 300 lb bbls, 10 bbls.	...	2.50
			Carlots, bbls.	100 lb	...
			Imported, 400 lb bbls.	100 lb	...
			100 lb kegs	100 lb	2.25 : 2.50
			Ergotin, Bonjean, 1 lb jars.	...	6.00 : 6.35
			Eserine alk., 1 oz. vial.	...	30.00
			Salicylate, USP 1 oz. vial.	...	22.00
			Sulfate, USP VIII, 1 oz. vial.	...	17.00
			ETHER, USP 55 lb drums.	...	.13
			Anaesthesia, 55 lb drums.	...	.14
			USP, 1880 55 lb drums.	...	.38
			Washed, 55 lb drums.	...	.30
			Motor, 1 lb cans24 : .27
			Ether, Nitrous, 1 lb bot.92 : .95
			Ethyl Benzyl Aniline, 300 lb drs.	...	1.30

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Dependable CHEMICALS

Chemicals

Ethyl Acetate, 99%, 50 gal. drs. gal	1.05	: 1.15	Gelatin, USP silver bbl. 100 lb. c. d.	.85	: .90	Hydrastinine Hydrochloride, USP 15 gr.		
85-90% Ester, 50 gal. drs. gal	...	: .95	Gold Label, 100 lb. cases.... lb	...	: ...	vials..... vial	...	: 2.40
Carbols, drums..... gal	...	: .93	Technical, 100 lb. c. d. lb	.60	: .65	Hydrobenzene, 100 lb. kegs..... lb	1.50	: 1.35
Tank Cars..... gal	...	: .90	GLAUBER'S SALT, tech. 200 lb. bags			HYDROGEN PEROXIDE, 25 vol. 400 lb		
Pure, 5 lb. bot..... gal	...	: 3.50	1c/l wks..... 100 lb	1.15	: 1.25	bbls..... lb	...	: .10
Bromide 115 lb. drs..... lb	...	: .40	350 lb. bbls. c/l wks..... 100 lb	1.30	: 1.35	USP Soln. 375 lb. bbls..... lb	.05	: .05 1/2
Chloride, 15 lb. cyl..... lb	...	: .35	Bbls. 1c/l wks..... 100 lb	1.50	: 2.00	USP bot. 4 oz. cases..... gross	8.00	: 8.25
Methyl Ketone, 50 gal. drums. lb	.25	: .25 1/2	Imported, bbls. spot..... 100 lb	.85	: .90	Bot. 8 oz. cases..... gross	11.75	: 12.00
Morphine, see Morphine, Ethyl			USP, 300 lb. bbls. imp. sp. 100 lb	...	: 1.25	Bot. 16 oz. cases..... gross	19.75	: 20.00
Ethylene Bromide, 600 lb. drs..... lb	...	: .60	USP, 300 lb. bbls. dom. sp. 100 lb	...	: 1.75	Hydroquinone, 100 lb. kegs..... lb	1.40	: 1.50
Glycol..... lb	.65	: 1.00	USP, 300 lb. bbls. c/l wks. 100 lb	...	: 1.40	Hyoscine Hydrobrom. USP 1 oz.		
Chlorhydrin, anhyd. 50 gal. drs. lb	.75	: .85	Calced, see Sodium Sulfate			vial..... oz	...	: 21.00
40% Solution, 50 gal. bbls. lb	.25	: .30	Glucose, (Grape Sugar) dry, 100			Five ozs., 1 oz. vials..... oz	...	: 20.50
Dichloride, 50 gal. drs..... lb	.20	: .25	70° bags, c/l NY..... 100 lb	...	: 3.64	Hyocamine Alk. Cryst., 1 oz. vial. oz	...	: 35.00
Ethylideneaniline..... lb	...	: .70	Syrup, Drs. & bbls. c/l NY 100 lb	3.71	: 3.90	Alkaloid, Amorphous, 1 oz. vial. oz	...	: 75.00
Eucalyptol, 25 lb. cans..... lb	.80	: .85	1c/l NY..... 100 lb	3.81	: 4.00	Hydrobromide, USP 1 oz. vial. oz	...	: 60.00
Feelspar, bulk..... ton	20.00	: 25.00	GLUE, pure white, bbls..... lb	.30	: .35	Sulfate, 1 oz. vial..... oz	...	: 35.00
FERRIC CHLORIDE, tech. crys.			Medium white, bbls..... lb	.25	: .30	INDOL, C. P. 1 oz. bot..... oz	6.00	: 6.50
475 lb. bbls..... lb	...	: .08	French, bbls..... lb	.18	: .25	Iodides, see Potass. Iodide, etc.		
Imported..... lb	...	: .07	High Grade, bbls..... lb	.35	: .40	IODINE, crude, 200 lb. kegs..... lb	4.05	: 4.10
USP, crys. 100 lb. kegs..... lb	...	: .09	Bone, regular, bbls..... lb	.10	: .12	Resublimed, 10 lb. jars..... lb	...	: 4.55
Imported..... lb	...	: .08	Fish, bbls..... gal	1.50	: 1.75	Tincture, USP, 50 gal. bbls. gal	4.40	: 4.50
Neut. Sol'n 40° 140 lb. crys. lb	...	: .08 1/2	GLYCERIN, C. P. 550 lb. drums. lb	.18 1/2	: .17	Carboys..... gal	4.55	: 4.65
48° 140 cys..... lb	...	: .08	Cans, 50 lb..... lb	.18	: .18 1/2	Iodoform, powd. 10 lb. bot..... lb	...	: 6.00
USP Sol'n 125 lb. cys..... lb	...	: .08 1/2	Dynamite, 100 lb. drs..... lb	.16 1/2	: .16 1/2	Crystals, 10 lb. bot..... lb	...	: 7.00
Ferrous Chloride, crys. tech.			Saponification, tanks..... lb	.12 1/2	: .12 1/2	Iridium, metal 10 oz. lots..... oz	...	: 250.00
475 lb. bbls..... lb	.06	: .06 1/2	Soap, Lye tanks..... lb	.10 1/2	: .11	Iron, metal by hydrogen 1 lb. bot. lb	.65	: .70
Ferrous Sulfide, 1000 lb. bbls. 100 lb	2.50	: 3.00	Gos Powder, see chrysarobin			IRON & AMM. CITRATE, USP 25 lb		
Flake White, see lead, white			Graphite, crude 220 lb. bags..... ton	15.00	: 35.00	cans..... lb	...	: .84
Fluorspar, 95% 220 lb. bgs. cr			Flake, 500 lb. bbls..... lb	.05	: .09	Green scales. 25 lb. cans..... lb	...	: .84
dock..... ton	...	: 25.00	Ground, lump, bbls..... lb	.04	: .05	Cacodylate, 10 lb. bot..... lb	6.50	: 6.75
96% bgs..... ton	...	: 33.50	Guaiacol liquid, USP, 25 lb. cans. lb	2.35	: 2.50	Citrate, USP VIII 25 lb. cans. lb	...	: .99
98% bgs..... ton	...	: 35.00	Benzoate, 1 lb. bot..... lb	...	: 18.00	Chloride, see ferric or ferrous		
FORMALDEHYDE, USP 400 lb. bbls.			Carbonate, 5 lb. boxes..... lb	5.00	: 5.25	Hypophosphite, 5 lb. cans..... lb	1.50	: 1.60
c/l wks..... lb	...	: .11	HAARLEM OIL, Dom. 6 gr. csgross	...	: 3.50	Syrup, USP VIII..... lb	...	: .30
Carboys, 100 lb. 1c/l wks..... lb	.12	: .12 1/2	Imported, 5 gr. cases..... gross	5.15	: 5.25	Iodide, 1 lb. bot..... lb	...	: 4.50
Bbls., 400 lb. 1c/l wks..... lb	.11 1/2	: .12	Halazone, 5 lb. bot..... lb	2.75	: 3.25	Syrup, USP 5 lb. bot..... lb	.35	: .36
Second Hands..... lb	...	: .11	Hexamethylenetetramine, USP			Nitrate, kegs..... lb	.09	: .10
Fossil Flour..... lb	...	: .04	100 lb. drums..... lb	.75	: .77 1/2	Com'l, bbls..... 100 lb	2.75	: 3.25
Formaniline..... lb	...	: .50	Imported..... lb	.68	: .73	Oxalate scales 25 lb. cans..... lb	.85	: .88
Fuller's Earth, 200 lb. bgs. c/l			Rubber Makers, Impalp. Pd.			Oxide red, Spankh..... lb	.03 1/2	: .07 1/2
miles..... ton	15.00	: 17.00	drs..... lb	.82 1/2	: .85	& Ammon. Oxalate 25 lb. bxs. lb	.47	: .50
Imported, 230 lb. bags NY..... ton	35.00	: 40.00	Homatropine Hydrobrom. USP 1 oz.			& Potassium Oxalate, 25 lb. bxs. lb	.45	: .47
Fusel Oil, refined, 100 gal. drs. gal	...	: ...	vial..... oz	...	: 16.00	& Sodium Oxalate, 25 lb. bxs. lb	.41	: .43
Crude, 100 gal. drum..... gal	...	: ...	Five ozs., 1 oz. vials..... oz	...	: 15.00	Phosphate, USP 25 lb. cans..... lb	...	: .89
G SALT, paste 350 lb. bbls. basis			Hydrastine Alk., USP, 1 oz. vial. oz	...	: 20.00	Pyrophosphate, USP 25 lb		
100%..... lb	.80	: .65	Hydchloride, USP, 1 oz. vial..... oz	...	: 20.00	cans..... lb	.94	: .96
			Sulfate, 1 oz. vial..... oz	...	: 22.00			

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Chemicals

JALAP RESIN , lump 5 lb tins.. lb		3.25	: 3.35	Linalool , 5 lb bot..... lb	5.50	: 6.50	Manganese —(continued)	
Powd. tins..... lb		3.40	: 3.50	Litharge , see lead oxide			Glycerophosphate , 5 lb tins.... lb	: 2.85
KIESELGUHR , 90 lb bags NY... ton		60.00	: 70.00	Lithium Carb. USP , 100 lb kgs.. lb	1.50	: 1.60	Hypophos. USP VIII 5 lb cans. lb	: 1.65
LANOLIN , see Adeps Lanæ				Bromide , 100 lb cs..... lb	1.75	: 1.85	Iodide , 1 lb bot..... lb	: 6.40
LEAD , metal c/l NY..... 100 lb		6.75	: 6.80	Citrate , USP 100 lb kgs..... lb	1.70	: 1.75	Ore, bulk NY unit	: .45
Acetate, white crystals 500 lb				Iodide , 5 lb bot..... lb		: 5.40	Sulfate , 600 lb cans NY..... lb	: .10
bbls. wks..... lb			.14	Lithopone , 400 lb bbls. lb/l wks. lb		: .07 1/4	Marble Floor, bulk ton	10.00 : 12.00
100 to 250 lb kgs. wks. lb			.14 1/4	Bbls. c/l wks..... lb		: .07 1/4	See also Calcium Carbonate	
White, broken, bbls. wks. 100 lb			.13.40	Imported , 400 lb bbls..... lb	.06	: .06 1/4	MENTHOL , USP, 60 lb cases..... lb	: 15.50
White, gran., bbls., wks. 100 lb			.13.65	Litmus Cubes lb	.90	: 1.00	Less cases, 5 lb tins..... lb	: 16.00
White, powd., bbls. wks..... lb			.14 1/4	MAGNESITE , crude..... ton		: 15.00	MERCURY , metal 75 lb flask.. flask	60.50 : 61.00
Kegs, wks..... lb			.15 1/4	Calcined, 500 lb bbls..... ton		: 55.00	Less Flasks, 5 lb jugs..... lb	1.02 : 1.04
Brown, broken, bbls. wks..... lb			.12 1/4	Magnesium mt. , sticks 100 lb cs. lb	1.35	: 1.30	Bichloride , cryst. 25 lb bxs..... lb	: 1.17
USP, 100 lb kegs..... lb			.17	Carb. tech. 70 lb bags NY... lb	.08	: .08 1/4	Gran. powd., 200 lb kegs..... lb	: 1.02
Arsenate, 100 lb bbls. lb/l wks. lb		.20	: .25	75 lb bbls. NY..... lb	.08 1/4	: .09	Bisulfate , 25 lb boxes..... lb	: .86
Bbls. c/l wks..... lb		.19 1/4	: .20	USP , 60 lb bbls..... lb	.10	: .11	Blue Mass, 25 lb boxes..... lb	: .62
Paste, 600 lb bbls..... lb		.12	: .13	USP , blocks 100 lb cs. 1, 2, 4			Powdered, 25 lb boxes..... lb	: .64
Iodide, USP VIII 5 lb bot..... lb		3.20	: 3.40	ozs..... lb	.19	: .23	Blue Ointment , USP 35 lb cans	
Nitrate, 600 lb bbls. wks..... lb			.22	Chloride , fused 575 lb dra. c/l			50%..... lb	: .77
Oxide, Hibge, 500 lb bbls. 100 lb		10.90	: 11.15	wks..... lb		: 34.00	USP , dilute 25 lb cans 30%.. lb	: .57
100 lb kegs, wks..... lb			.14 1/4	Fialed , 350 lb dra. wks c/l ton		: 88.00	33 1/3% Mercury..... lb	: .67
Oxide, red 500 lb bbls. wks..... lb		11.40	: 11.65	Imp. , fused 900 lb bbls NY. ton	26.00	: 28.00	Calomel , 50 lb bxs..... lb	: 1.25
100 lb kegs wks..... lb			.14 1/4	Fluodilicate , crystals 400 lb bbls			Citrine Ointment 25 lb jars..... lb	: .50
Peroxide, 100 lb drs..... lb			.26	wks..... lb		: .15	Iodide , green 25 lb jars..... lb	: 4.00
White, basic carb. 500 lb bbls.				30% soln. 500 lb bbls. wks. lb	.07	: .07 1/4	Red , USP 25 lb jars..... lb	: 4.10
wks..... lb		.09 1/4	: .10	Soln. bbls. c/l wks..... lb		: .06	Yellow , USP VIII 25 lb jars. lb	: 4.00
Bbls. c/l wks..... 100 lb			.09 1/4	Glycerophosphate , 5 lb tins..... lb		: 3.15	Red Precip. USP 25 lb bxs..... lb	: 1.38
100 lb kegs wks..... lb			.14 1/4	Hypophosphite , 5 lb cans..... lb		: 1.15	Powder, USP 25 lb bxs..... lb	: 1.48
White, sulfate 500 lb bbls. wks. lb		.09 1/4	: .09 1/4	Oxide , USP light 100 lb bbls..... lb		: .42	White Precip. USP 25 lb bxs. lb	: 1.49
Bbls. c/l wks..... 100 lb			.02 1/2	USP , heavy 250 lb bbls..... lb		: .50	Powder, USP 25 lb bxs..... lb	: 1.54
Licorice Ext. Mass, cases..... lb		.25	: .26	Peroxide , 5 lb cans..... lb		: 2.15	With chalk, USP 25 lb bxs..... lb	: .63
Compound powder, bbls..... lb		.11	: .13	Perborate , 1 lb tins..... lb		: 2.25	Meta-Toluenediamine , 300 lb	
Powdered..... lb		.38	: .40	Salicylate , 100 lb kegs..... lb		: .67	Meta-Nitro-para-Toluidine , 300 lb	
Sticks, 1 oz. 100 lb cases..... lb		.45	: .50	Sulfate , see Epsom Salts			bbls..... lb	: 2.30
LIME (Salts, see Calcium Salts)				Manganese Chloride , 600 lb cak			Meta-Phenylenediamine , 300 lb	
Live, 325 lb bbls. ton lots, wks. lb			.01 1/4	NY..... lb	.09 1/4	: .10	bbls..... lb	: .95
Single bbl. wks..... lb			.01 1/4	Borate , 30%, 200 lb bbls..... lb		: .24	Meta-Toluylenediamine , 300 lb	
Hydrated, 167 lb bbl. ton lots,				100 lb kegs..... lb		: .25	bbls..... lb	: .89
wks..... lb			.01 1/4	Dioxide , 80-84% 900 lb bbls.				
Single bbl. wks..... lb			.01 1/4	NY..... ton	80.00	: 85.00		
Oyster Shell, 150 lb bbl. single. lb			.03 1/4	85-90%, 900 lb bbls. NY. ton	85.00	: 90.00		
125 lb bag..... lb			.03 1/4	Hydrated, precip. 100 lb kgs. lb	.32	: .35		
Sulfur , dry 200 lb drs. NY... lb		.08	: .10					
Drs. c/l NY..... lb			.10 1/4					
33° Soln. 50 gal. bbls. NY. gal		.15	: .16					

Manganese—(continued)

Glycerophosphate , 5 lb tins.... lb			: 2.85
Hypophos. USP VIII 5 lb cans. lb			: 1.65
Iodide , 1 lb bot..... lb			: 6.40
Ore , bulk NY..... unit			: .45
Sulfate , 600 lb cases NY..... lb			: .11
Marble Flour , bulk..... ton			10.00 : 12.00
See also Calcium Carbonate			
MENTHOL , USP, 60 lb cases.... lb			: 15.50
Less cases, 5 lb tins..... lb			: 16.00
MERCURY , metal 75 lb flask.. flask			60.50 : 61.00
Less Flasks, 5 lb jugs.... lb			1.02 : 1.04
Bichloride , cryst. 25 lb bxs.... lb			: 1.17
Gran. powd., 200 lb kegs.. lb			: 1.02
Bisulfate , 25 lb boxes..... lb			: .86
Blue Mass , 25 lb boxes..... lb			: .62
Powdered, 25 lb boxes..... lb			: .64
Blue Ointment , USP 25 lb cans			
50%..... lb			: .77
USP , dilute 25 lb cans 30%.. lb			: .57
33 1/3% Mercury..... lb			: .67
Calomel , 50 lb bxs..... lb			: 1.25
Citrine Ointment 25 lb jars.. lb			: .50
Iodide , green 25 lb jars..... lb			: 4.00
Red , USP 25 lb jars..... lb			: 4.10
Yellow , USP VIII 25 lb jars.. lb			: 4.00
Red Precip. USP 25 lb bxs.... lb			: 1.38
Powder , USP 25 lb bxs.... lb			: 1.48
White Precip. USP 25 lb bxs.. lb			: 1.49
Powder , USP 25 lb bxs.... lb			: 1.54
With chalk, USP 25 lb bxs.... lb			: .62
Meta-Toluylenediamine , 300 lb			
Meta-Nitro-para-Toluidine , 300 lb			
bbls..... lb			: 2.20
Meta-Phenylenediamine , 300 lb			
bbls..... lb			: .95 : .98
Meta-Toluylenediamine , 300 lb			
bbls..... lb			: .89 : .90

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METHANOL

ALL GRADES

The Miner Edgar Company

Rail and Water Facilities

110 William Street

New York

MECCOALPROCENOCOMECCOALPROCENOCO

Chemicals

METHANOL (Wood Alcohol)			NAPHTHALENE , Flake, 175 lb. bbls.			PALLADIUM , metal 10 oz. lots..		
85%, 50 gal. drums. ext....gal	.88	.90	Wks. ....	.07		Pancreatin, USP 5 lb. bot.....	1.25	1.40
97%, 50 gal. drums. ext....gal	.90	.92	Bbls. c/1 wks. ....	.06 1/2	.07	Papain, 10 lb. bot. USP, Powd....	2.15	2.25
Pure, 50 gal. drums. ext....gal	1.00		Bbls., second hands NY.....	.07	.07 1/2	Crude, 150 lb. cases.....	1.85	1.90
Acetone free, 50 gal. drums. ext.gal	1.05		Balls, 250 lb. bbls. wks. ....	.08	.08	Paraffin, ref'd 200 lb. cs. slabs		
Bbls. incl. 5c higher			Bbls. c/1 wks. ....	.07 1/2	.08	120-125 Deg. M. P. ....	.03 1/2	.03 1/2
Methyl Acetone, 100 gal. drums.gal	1.17	1.20	Bbls., second hands NY.....	.08	.08	125-130 Deg. M. P. ....	.04	.04 1/2
Tank cars .....gal	1.15		Crushed, chipped, bgs., wks....	.05 1/2	.06	130-135 Deg. M. P. ....	.04	.04 1/2
Chloride, 90 lb. cyl. ....	.80		Crude, imp., bgs. ....	.02	.03	135-140 Deg. M. P. ....	.05	.06 1/2
Sallylate, USP, 50 lb. cases....	.47		Nickel Metal, electrolytic 100 lb			Para-Aminoacetanilid, 100 lb		
500 lb drums .....	.45		kegs .....	.30		kegs	1.05	1.15
Second Hands, cases.....	.43	.44	Ingot, 100 lb kegs .....	.29	.32	Para-Aminophenol, 100 lb kegs..	1.25	1.30
Methylene Blue, tech. 100 lb kgs. lb	1.00	1.50	Salt, single 400 lb bbls. NY..	.11	.12	Hydrochloride, 100 lb kegs....	1.40	1.50
USP, medicinal 5 lb cans....	2.25	2.40	Double, 400 lb bbls. NY....	.10	.11	Para-Dichlorobenzene, 50-300 lb bbls.		
Miehler's Ketone, 225 lb bbls..	3.75		Oxide, 100 lb kegs NY.....	.40	.42	wks. ....	.17	.20
Milk, powd. 150 lb bbls.....	.14	.15	Sulfate, 450 lb bbls. ....	.07	.07 1/2	25-50 lb kegs .....	.18	.22
Milk Sugar, see sugar of milk			Nitre Cake, bulk wks.	5.50	6.00	Paraldehyde, 100 gal drs.....		.35
Mineral Oil, see oil mineral			500 lb bbls.	13.00	14.00	Paraformaldehyde, USP 100 lb cs. lb		.50
Mineral Rubber ton	33.00	54.00	Nitrobenzene, crude, 1000 lb drs.			Para-Nitroacetanilid, 300 lb		
Monochlorobenzene, see chlorobenzene			wks. ....	.09	.09 1/2	bbls. ....	.55	.60
Monochlorobenzene, 900 lb drs.	1.00		Redistilled, 1000 lb drs. wks. lb	.09 1/2	.10 1/2	PARA-NITROANILINE , 300 lb bbls.		
Monomethyl paramidophenol sulfate			Nitronaphthalene, 550 lb bbls....	.20	.21	wks. ton .....	.69	.74
100 lb drs.	4.00		Nitrotoluene, mixed 1000 lb drs.			Para-Nitrochlorobenzene, 1200 lb drs.		
MORPHINE Sulfate, USP 5 oz. tins			wks. ....	.14	.14	wks. ....	.31	.30
10 oz.	6.35		Ochre .....	.03 1/2		Para-Nitro-ortho-Toluidine, 300 lb		
Acetate, 5 oz. tins 10 oz. lots..	6.35		Oil Fuel, see Fuel Oil			bbls.	2.75	2.85
Hydrobromide, 5 oz. tins 10 oz.	6.35		OIL MINERAL , wh. 50 gal. bbls.gal	1.00	1.25	Para-Nitrophenol, 185 lb bbls....	.75	.80
lots	6.35		Oil Mirbane, see nitrobenzene			Para-Nitrosodimethylaniline, 120 lb		
Hydchloride, 5 oz. tins 10 oz.	6.35		Opium, see crude drugs			bbls.	1.25	1.30
lots	6.35		Orange Mineral, 300 lb cases NY..	.15 1/2	.16	Para-Nitrotoluene, 350 lb bbls..	.55	.60
Diacetyl Alk., 1/4 oz. vls. 10			500 lb bbls. NY.....	.15 1/2	.16 1/2	Para-oxo-Benzaldehyde, 100 lb		
oz.	10.20		Ortho-Aminophenol, 50 lb kegs..	2.50	2.75	kegs	1.50	1.60
Hydchloride, 1/4 oz. vls. 10 oz.	9.25		Ortho-Anisidine, 100 lb drs....			Para-Phenetidin, 500 lb drs....	1.55	1.80
Ethyl Hydchloride, 1/4 oz. vls. 10			Ortho-Dichlorobenzene, 1000 lb drs.	.06	.08	bbls.	1.40	1.50
oz.	10.45		wks. ....	.18	.20	Para-Toluene-Sulfonamide, 175 lb		
Small Sizes: 1/4 oz. vials, 50c extra;			Ortho-Nitrochlorobenzene, 1200 lb			bbls. ....	.40	.41
1/4s 25c extra; single oz. vls., 7c ex-			dra. wks. ....	.12	.15	Para-Toluene-Sulfonchloride, 410 lb		
tra, over price for 5 oz. tins. 25 c.			Ortho-Nitrophenol, 350 lb 3 bbls. lb	.15	.19	bbls. wks. ....	.25	.30
lots in 5 oz. tins, 10c on. lower than			Ortho-Nitrotoluene, 1000 lb drs.			Para-Toluidine, 350 lb bbls. wks. lb	.85	.90
above schedule. Less than 10 oz. lots			wks. ....	.12	.15			
15c on. higher than above schedule.			Ortho-Toluidine, 350 lb bbls....	.15	.19			
Musk Ambrette, 1 lb cans.....	14.00	15.00	Orgall, USP 5 lb bot.....	3.00				
NAPHTHA , Solvent, 110 gal. drs.								
wks.28	.30						
8000 gal. tank cars wks....gal	.24	.25						

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Dimethylaniline

THE difference of a few cents a pound in the purchase price can never compensate for the heavy loss in yield of finished product that results from the use of inferior organic chemicals.

The surpassing quality of du Pont Dimethylaniline assures you of the greatest yields that can be expected of a commercial chemical reaction. Yet it costs no more than ordinary grades.

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200 FIFTH AVENUE - - - NEW YORK

Chemicals

PARIS GREEN

Arsenic Basis, 500 lb kegs... lb	.28	: .30
Kegs, 100 lbs..... lb	.32	: .33
Kits, 56, 28, 14 lbs..... lb	.31	: .33
Packages, 5 and 2 lbs..... lb	.32	: .33
Packages, 1 lb, 1/2, 1/4 lb..... lb	.34	: .38

Paris White, see whitening, French

Pepsin, USP 5 lb bot..... lb	2.25	: 2.50
PETROLATUM, green 300 lb bbls. lb	.02 3/4	: .03
Dark Amber 300 lb bbls..... lb	.03 3/4	: .04
Light Amber, 300 lb bbls..... lb	.04 3/4	: .05
Cream White, USP 300 lb bbls. lb	.07	: .07 3/4
Lily White, USP, 300 lb bbls. lb	.09	: .09 3/4
Snow White, USP, 300 lb bbls. lb	.12 3/4	: .13

Phenol, see also acid carbolite

American makers, drums wks... lb	...	: .26
Open market, drs..... lb	.25	: .26
240 lb des drs. wks..... lb	...	: .26
Natural 240 lb des drs. wks... lb	...	: .26
Imported, 326 lb des drs..... lb	...	: .26
Phenolphthalein, USP, 100 lb drs. lb	1.40	: 1.50
5 lb cans, 100 lb lots..... lb	1.50	: 1.60

Phenyl-Alpha-Naphthylamine 100 lb

kegs..... lb	...	: .26
Phenylethylalcohol, 1 lb bot..... lb	6.75	: 8.75
Imported..... lb	7.75	: 9.75
Phosgene, 100 lb cylinders..... lb	...	: 1.00
Phosphorus Oxide, 175 lb cyl. lb	.35	: .40
Phosphorus, red 110 lb cs. wks..... lb	...	: .75
Imported, 112 lb cases..... lb	...	: .75
Yellow, 110 lb cs. wks..... lb	.35	: .40
Imported, 112 lb cases..... lb	...	: .75

Phosphorus Trichloride, 175 lb cyl.

wks..... lb	...	: .45
Phthalic Anhydride, 100 lb bbls. lb	.25	: .30
Pilocarpine Hydrochloride, USP 25 oz. lots, 1 oz. vials..... oz	...	: 7.50
Nitrate..... oz	...	: 7.50
Single ounces..... oz	...	: 7.75
Alkaloid, 15 gr. vials..... oz	...	: .85

Piperazine Hydrate, 1 lb bot..... lb

...	...	: 16.00
Pitch, Coal-Tar, wks..... ton	30.00	: 33.00
Plaster Paris, tech. 250 lb bbls. bbl	...	: 3.30
True Dental, 300 bbls..... bbl	...	: 4.50
Platinum, metal soft 10 oz. lots—oz	...	: 116.00
Podophyllin, 5 lb bot..... lb	5.75	: 6.25
Second Hands..... lb	5.50	: 6.00

POTASH, CAUSTIC, solid 88-92%

700 lb drs. wks..... lb	.07	: .07 1/4
Imp., 88-92% 700 lb drs. NY. lb	.07	: .07 1/4
USP, by alcohol 5 lb cans..... lb	.46	: .48
cases..... lb	.30	: .35

POTASSIUM Acetate, USP, 100 lb

kegs..... lb	.30	: .31
Bicarbonate, crys. 220 lb bbls. lb	.11	: .12
Bichromate, crys. 900 lb casks wks..... lb	.09 1/4	: .09 3/4
Powd., 900 lb casks wks..... lb	...	: .12
Binoxalate, 300 lb bbls..... lb	.33	: .34
Bisulfate, C.P., 5 lb cans..... lb	...	: .30
100 lb kegs..... lb	...	: .22
Bromate, 100 lb cs..... lb	...	: .45

BROMIDE, USP cryst. 450 lb

bbls..... lb	...	: .26
Granular, 300 lb bbls..... lb	...	: .26
Cases 100 lb..... lb	...	: .27
Imported, USP, 220 lb cs..... lb	.16	: .17

CARBONATE, 80-85% calc.

800 lb cks..... lb	.06 1/4	: .06 3/4
80-85%, hydrated, 800 lb cks..... lb	.06 1/4	: .07
90-95% calc. casks..... lb	.06 1/4	: .06 3/4
96-98% calc. casks..... lb	.06 1/4	: .07 1/4
99% calc. casks..... lb	.08 1/4	: .09 1/4
USP, 100 lb kegs..... lb	.11	: .12
99% CP casks..... lb	.13 1/4	: .14

POTASSIUM—(Continued)

Chlorate, crys. 112 lb kgs. c/l wks..... lb	.08 3/4	: .08 3/4
Imp. 112 lb kegs NY..... lb	...	: .08
Powd., 112 lb kegs wks..... lb	.08 3/4	: .09
Imp., kegs NY..... lb	...	: .07 1/4
Pyrotechnic, fine powd. NY..... lb	.08	: .09
USP, fine crys. 110 lb kegs NY..... lb	.08	: .09
Citrate, USP 10 lb cans..... lb	.63	: .66
Cyanide 110 lb cases..... lb	...	: .65
Glycerophosphate, 75% Soln. 25 lb tins..... lb	1.60	: 1.70
Guaiacol Sulfonate, 5 lb cans. 10 lb..... lb	1.75	: 2.00
Hypophosphite, 10 lb cans..... lb	.80	: .85
Iodide, USP, 100 lb cases..... lb	3.75	: 3.85
Second Hands, cases..... lb	...	: 3.65
Lactophosphate, 400 bot..... oz	...	: .90
Metabisulfite, 300 lb bbls..... lb	...	: .23
Imp., 300 lb bbls..... lb	.12 3/4	: .14
Muriate, 80%, 200 lb bags, NY K ₂ O unit..... lb	...	: .68
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs..... lb	.40	: .45
Perchlorate, 112 lb kegs..... lb	.09	: .10
PERMANGAN, USP, crys. 500 lb drs., wks..... lb	.17	: .17 1/4
Imp. 112 lb drs..... lb	.17	: .17 3/4
Prussiate, red, 100 lb bbls..... lb	...	: .60
500 lb casks..... lb	...	: .53
Prussiate, yellow, 500 lb casks. lb	.25	: .28
Salicylate, 25 lb cans..... lb	...	: .75
Sulfate, 200 lb bags, NY K ₂ O unit USP, VIII, 100 lb kegs..... lb	...	: .93
...	.15	: .18
Sulfocyanide, CP 25 lb jars..... lb	...	: .50
Tartrate, neutral, 100 lb kegs. lb	...	: .53
Titanium Oxalate 200 lb bbls. lb	.28	: .30

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is the Product by which all other Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04½	.06
Lump, 350 lb bbls. lb	.03½	.05
Powdered, 350 lb bbls. lb	.02½	.03
Pyridine, 50 gal. drums. gal		4.50
QUICKSILVER, see Mercury		
Quinidine Alk., 100oz tins. oz		.75
Sulfate, 100oz tins. oz		.50
Quinoidine, see Chinoidin		
QUININE SULFATE, USP,		
American, 100oz tins. oz		.50
low tins, 100oz lots. oz		.57
Dutch, 100oz tins. oz		.50
Java, 100oz tins. oz		.50
Japanese, 100oz tins. oz		.50
QUININE ALK., USP, 100oz tins. oz		
Acetate		.88
Arsenate		.88
Benzoate		.88
Bisulfate, USP		.50
Citrate		.62
Dihydrochloride, USP		.66
Dibromide		.66
Dicarbonate, 16oz tins. oz		2.50
Ethyl Carbonate, 16oz tins. oz		.95
Ferrocyamide		.88
Formate		.85
Glycerophosphate		.88
Hydriodide		.88
Hydrobromide, USP		.62
Hydrochloride, USP		.62
Hydrochlorosulfate		.66
Hydride & Urea, USP. lb		.88
Hypophosphite		.33
Lactate		.78
Phenolsulfonate		.88
Phosphate		.74
Salicylate, USP		.63
Tannate, USP		.45

QUININE—(continued)

Tartrate	oz		.88
Valerate	oz		.89
Small Sizes: 1oz vials or cans,			
50oz lots, 5c oz extra; 50z cans,			
50oz lots 3c oz extra; 25oz cans,			
50oz lots, 2c oz extra; single 1oz			
vials or cans, 5c extra. All minor			
quinine salts sold and quoted basis			
100oz lots in 100oz cans. Sulfate			
and bisulfate sold basis 100oz			
lots in 100oz cans. Smaller orders			
or containers extra as above			
schedule.			
R SALT, 250 lb bbls. wks. lb		.55	.70
Red Lead, see lead oxide			
Red Precipitate, see mercury			
Resorcin, see resorcinol			
Resorcinol tech, 100 lb kegs. lb	1.35		1.50
USP, 25 lb cans. lb	3.25		2.35
Rocheite Salt, USP, 225 lb bbls. lb	.20		.21
Imp. USP, 300 lb bbls. lb	.19½		.20
Rosewater, triple, 5 gal. dems. gal	.90		1.10
Rotten Stone, lump imp. bbls. lb	.07		.08
Lump selected, bbls. lb	.09		.12
Powdered, bbls. lb	.02		.05
Domestic, bags, mines. ton	24.00		30.00
SACCHARIN, USP, 1 lb cans, 25 lb			
D. lb	1.90		2.10
Soluble, USP, 1 lb cans, 25 lb. lb	1.90		2.10
Sal Ammoniac, see Ammon. Chloride			
Salicin, USP, 1 lb cartons, 25 lb. lb	5.00		5.25
Salol, USP, 100 lb drums. lb	.80		.85
Salt, Common, see sodium chloride			
Salt Cake, c/l f.o.b. wks. ton	20.00		25.00
SALTPETRE, Double Refined			
Granular, 400-500 lb bbls.			
c/l wks. lb		.06½	
Less c/l works, bbls. lb		.06½	
Large Crystals, 350-400 lb bbls.			
c/l wks. lb		.08	
Small Crystals, 350-400 lb bbls.			
c/l wks. lb		.07½	
Powdered, bbls. c/l wks. lb		.07½	
Imported, 500 lb bbls, NY. lb		.07	

Santonin USP, 1 lb bot. lb	150.00		158.00
Powd. 1 lb bot. lb			
Saponin, ex Quillaja, 5 lb tins. lb	1.00		1.25
Satin White, 500 lb bbls. lb			.01½
Schaeffer's Salt, 250 lb bbls. wks. lb	.80		.65
Scopolamine, see hyoscine.			
Seldilits Mixture, 225 lb bbls. lb	.17		.18
SILICA			
Crude, bulk, mines. ton	10.00		12.00
Refined, floated, bags. ton	18.00		30.00
Air floated, bags. ton	32.00		50.00
Extra. floated, bags. ton	55.00		65.00
SILVER, metal, American. oz			
Foreign			.99%
Colloidal, 16oz bot. oz			.63½
Silver Iodide, 16oz bot. oz			.68
Nitrate, USP, 200oz bot. oz	.43		.45
Nucleinate, 16oz bot. oz	.34		.38
Protinate, 16oz bot. oz	.34		.38
Soap, Castile, 40 lb bxs. lb	.20		.25
Powd. USP, 250 lb bbls. lb	.28		.29
Green, USP, 150 lb kegs. lb	.07		.07½
Soapstone, see Talc, crude			
SODA ASH, 58% light bgs NY			
flat, ex-warehouse. 100 lb			1.94
Bbls., ex-warehouse. 100 lb			2.19
Contract, Basis 58% bags c/l			
wks. 100 lb	1.38		1.45
Prompt and spot, Basis 58% bags			
c/l wks. 100 lb	1.56		1.61
Soda Ash, 58% dense, bags ex-			
warehouse, NY. 100 lb			2.01
Bbls., ex-warehouse. 100 lb			2.25
Contract, Basis 58% bags c/l			
wks. 100 lb	1.45		1.51
Pmpt. and spot, Basis 58% bags			
c/l wks. 100 lb	1.56		1.62
Prices on soda alkalies are based on actual			
percentages and not N. Y. & L. test.			
SODA, CAUSTIC, 76% solid, resale.			
NY flat. 100 lb	3.30		3.50
76% solid drs. ex-warehouse			
NY. 100 lb			3.66

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AQUA AMMONIA
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BARIUM CARBONATE
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BARIUM SULPHOCYANIDE
CALCIUM CHLORIDE
FORMIC ACID
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Solid—Flake—Ground
Solvay Super Alkali { 15%—36%—45%
Solvay Snow Flake Crystals
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda



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Chemicals

SODA CAUSTIC—(Continued)

Contract basis 76% c/l wks. 100 lb	3.10	: 3.10%
Pmpt and spot, Basis 76% c/l wks.100 lb	3.26½	: 3.31
Contract 76% low grade c/l wks. flat ....100 lb	...	: 3.35%
Ground & flake, 76% pmpt and pot, wks c/l drs....100 lb	...	: 3.70
Contract, 76% drums, c/l wks flat ....100 lb	3.50	: 3.60
76% dra. ex-warehouse NY 100 lb	...	: 4.08
USP, stick, 10 lb cans.... lb	.19	: .21
Pure, stick, by alcohol.... lb	.35	: .37
SODIUM ACETATE, crys 450 lb bbls		
wks. lb	.05	: .05½
Ton lots, bbls, wks. lb	...	: .05
Imp. 500 lb cans.... lb	...	: .06½
Aluminum Sulfate, see alum soda.		
Benzoate, USP, 100 lb bags.... lb	.65	: .68
Bicarbonate, 400 lb bbls NY 100 lb	...	: 2.25
Bbls, c/l wks....100 lb	...	: 2.00
112 lb kgs wks....100 lb	...	: 2.25
112 lb kgs, NY....100 lb	...	: 2.50
Bichromate, 600 lb cans wks.... lb	...	: .08
Casks, c/l wks. lb	.07½	: .07%
Casks, NY lb	.07½	: .07%
Bisulfite, dry powder, 500 lb bbls, wks. lb	...	: .04½
Solution, 32-40°, 500 lb bbls, wks. ....100 lb	1.25	: 1.75
Bromate, 100 lb cs. lb	...	: .95
Bromide, USP, 450 lb bbls.... lb	...	: .24
Cases, 100 lb lb	...	: .35
Imp. USP, 112 lb cs. lb	.18	: .19
Cacodylate, USP, 5 lb bot. 25 lb	5.50	: 5.75
Carbonate, sal soda, 350 lb bbls 1c/l NY ....100 lb	1.36	: 1.38
Works c/l ....100 lb	1.10	: 1.36
Monohydrate, 400 lb bbl. 1c/l ....100 lb	...	: 2.45
Pure photographic, 100 lb kg	.08	: .09

SODIUM—(Continued)

Chlorate, 112 lb kgs, wks.... lb	.06½	: .06½
Imported, 112 lb kgs.... lb	...	: .06½
Chloride, tech. 200 lb bags.... ton	12.68	: 13.00
C. F. 300 lb bbls.... lb	.05	: .06
Citrate, USP, IX, 100 lb kgs.... lb	...	: .62
USP, VIII, 100 lb kgs.... lb	...	: .55
Cyanide, 96-98%, 100 lb cases wks. lb	...	: .23
Ton lots, wks. lb	...	: .23
73-76%, 100 lb cases, wks.... lb	...	: .20½
125-128%, 200 lb cs.... lb	...	: .20
120-125%, 200 lb cs.... lb	...	: .19½
Fluoride, 350 lb bbls, NY imp.... lb	.09	: .09½
Glycerophos, USP, crys 25 lb cans	1.65	: 1.75
Powder, 25 lb tins.... lb	1.70	: 1.80
Solution, USP 25 lb tins.... lb	1.00	: 1.05
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100 lb chya.... lb	...	: .05
14½% soln, 50 lb chya.... lb	...	: .04
Hydrosulfite, 200 lb bbls, fob, wks.... lb	.19	: .22
Hypophosphite, USP, 25 lb cans lb.	.70	: .75
HYPOSULFITE, tech. pea crys., 375 lb bbls, wks....100 lb		
Bbls, c/l wks....100 lb	2.90	: 3.30
Bbls, c/l wks....100 lb	...	: 2.75
100 lb kgs wks....100 lb	3.00	: 3.60
Granulated, bbls, wks....100 lb	3.15	: 3.55
Bbls, c/l wks....100 lb	...	: 3.00
Kegs wks. ....100 lb	3.25	: 3.85
Regular crystals ....100 lb	2.85	: 2.90
Iodide, USP, 25 lb jars.... lb	...	: 4.25
Metanilate, 150 lb bbls.... lb	.55	: .60
Naphthionate, 300 lb bbls.... lb	.60	: .62
Nitrate, crude, 95%, 200 lb bbs, c/l NY ....100 lb	...	: 2.45
Futures, NY ....100 lb	2.47½	: 2.50
Double Refined, 400 lb bbls gran c/l wks.... lb	...	: .04½
Nitrite, 500 lb bbls, wks.... lb	.07½	: .07½
Bbls, spot, makers.... lb	...	: .07½
Imp. 650 lb cases.... lb	.07½	: .07½
Ortho-Chloro-para-Toluene Sulfonate, 175 lb bbls, wks.... lb	.25	: .37

SODIUM—(Continued)

Oxalate, neutral, 100 lb kgs.... lb	...	: .40
Perborate, 275 lb bbls.... lb	...	: .32
Imp., 225 lb drs.... lb	.18	: .19
Peroxide, 200 lb cases.... lb	.25	: .27
Phosphate, di-sodium, tech 550 lb bbls. lb	.03½	: .03½
USP, gran. 275 bbls.... lb	.07	: .07½
Imp. gran. lb	.05½	: .06
USP, recryst 275 bbls.... lb	.10	: .11
Mono-sodium 100 lb kgs.... lb	.24	: .26
Tri-sodium tech. c/l, bbls.... lb	.04½	: .05
Picramate, 100 lb kgs.... lb	...	: .60
Para-Toluene Sulfonate, 175 lb bbls. lb	.08	: .09
PRUSSIAN, yellow, 250 lb bbls.... lb	...	: .13½
Imp. 450 lb cks.... lb	.11	: .11½
Pyrophosphate, 100 lb kgs.... lb	.18	: .22
Salicylate, 100 lb kgs.... lb	...	: .40
Second Hands, USP, kgs.... lb	.37	: .40
Silicate, 60° 700 lb bbls, f.a.s. NY ....100 lb	...	: 2.00
Works, 1000 lb drums....100 lb	...	: 1.90
Works, tanks ....100 lb	...	: 1.75
40° domestic. 700 lb c/l f.a.b. wks. ....100 lb	...	: .80
Works, 1000 lb drums....100 lb	...	: .82½
Works, tanks ....100 lb	...	: .75
Spot, drums, bbls....100 lb	1.30	: 1.50
Silicofluoride, 450 lb bbls, NY, lb/l wks. lb	.07½	: .07½
Sulphate, see Glauber's Salt.		
Sulfate, Anhydrous, 550 lb bbls, c/l lb	.03½	: .04
Sulfide, 60% solid, 650 lb dra. 1c/l wks. lb	.04½	: .05
Dra. c/l wks. lb	.03½	: .03½
Imp. 700 lb dra. NY.... lb	.03	: .03½
60% broken, 650 lb dra wks.... lb	.04½	: .05
Imp., 500 lb dra. NY.... lb	.03½	: .04
30% crys. 400 lb bbls, wks.... lb	.02	: .02½
Imp., 400 lb bbls.... lb	.02	: .02½
Sulfite, crys. 400 lb bbls, wks.... lb	.03½	: .03½
Desiccated, 400 lb bbls.... lb	.09½	: .10

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Chemicals

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Sulfocarbonate, USP, 100 lb kgs	.37	: .39
Sulfocyanide, 400 lb bbls.	.45	: .47
Tungstate, crys, 100 lb kgs.	..	: .55
Desiccated, kgs	..	: .65
Solvent Naphtha, see Naphtha		
Sparteine Sulfate, USP, 250z bulk.oz	.60	: .70
Single oz. vial	..	: .77
Starch, rice, 140 lb bags	.09	: .10
STROBANTIUM Bromide, USP, 100 lb kgs	..	: .33
Carb. 600 lb bbls. wks.	..	: .07
100 lb kgs wks.	..	: .08
Iodide, USP, 25 lb jars.	..	: 4.00
Nitrate, 600 lb bbls. wks.	..	: .11 1/4
Imp., bbls. NY.	.11 1/4	: .12
Salicylate, USP, 100 lb kgs.	.65	: .70
STRYCHNINE Alkaloid, USP, crys. 100oz tins	..	: 1.00
Alk. powd., USP	..	: .90
Acetate	..	: 1.05
Glycerophosphate, USP	..	: 1.05
Hydrobromide	..	: 1.05
Hydrochloride	..	: 1.05
Hypophosphite	..	: 1.15
Nitrate, USP	..	: 1.05
Phosphate	..	: 1.05
Sulfate, USP, crys. powd.	..	: .72
Saccharinate	..	: 2.15
Strychnine preparations quoted basis 100oz lots in 100oz tins. Small Size: 1/4oz vials, 50c extra; 1/2oz vials, 25c extra; single ounce vials, 7c extra. Lots of 25 ozs. 5c higher than above schedule. Lots of less than 25 ozs. 10c higher per oz.		
Sugar Milk USP, 200 lb bbls.	.21	: .22
Second Hands, USP, bbls.	.21	: .22
Sulfonal, see Sulfonmethane		
Sulfonethylmethane, USP, 5 lb bxs.	3.50	: 3.70
Sulfonmethane, USP, 5 lb bxs.	2.40	: 2.60

SULFUR, crude, bulk, c/l NY.	ton	..	: 19.00
Crude, f.o.b. mine	ton	14.00	: 15.00
Brimstone, 250 lb bags, c/l 100 lb	..	1.75	: 1.95
Less c/l bags NY	100 lb	1.85	: 2.10
Roll, 500 lb bbls. c/l NY	100 lb	..	: 2.15
Less c/l bags NY	100 lb	2.20	: 2.45
Flour, Heavy, 290 lb bbls, 100 lb	..	2.50	: 3.05
Light, 100%, 260 lb bbls, 100 lb	..	2.60	: 3.15
Rubbermakers 100%, 240 lb	..	..
bbls. NY	100 lb	2.60	: 3.15
Commercial, 99%, 150 lb bags	..	1.35	: 1.65
For Dusting, 99%, 100 lb	..	..
bgs. NY	100 lb	2.00	: 2.50
Flowers, 100%, 240 lb bbls.	..	3.00	: 3.55
Precipitated, 125 lb bbls NY.	..	.14	: .16
Lac, 125 lb bbls NY.	..	.07	: .10
Sulfur Chloride, red, 700 lb drs.	..	..
wks.	..	.06	: .07
150 lb chys. wks.	..	..	: .08
Yellow, 700 lb drs. wks.	..	.05	: .06
150 lb chys. wks.	..	..	: .07
Sulfur Dioxide, 100 lb cyl.	..	.08	: .08 1/4
Iodide, USP, VIII, 5 lb bot.	..	..	: 4.55
Sulfuric Ether, see Ether			
Sulfuryl Chloride, 600 lb drs.	..	..	: .70
TALC, Italian, 220 lb bags NY.	ton	35.00	: 40.00
Refined white, bags	ton	42.00	: 55.00
French, 220 lb bgs. NY.	ton	25.00	: 30.00
Refined, white, bags	ton	32.00	: 45.00
Dom., crude, 100 lb bags NY.	ton	10.00	: 15.00
Refined, 100 lb bags NY.	ton	18.00	: 25.00
Tartar Emetic, tech. 700 lb bbls.	..	.25	: .26
USP, 300 lb bbls.	..	..	: .34 1/4
Terpin Hydrate, USP, 100 lb kgs	..	.60	: .62
Terpineol, CP 1000 lb drums	..	.54	: .55
Cans, 50 lb	..	.58	: .60
Imported, cans, 25 lb	..	.95	: 1.20
Terpenyl Acetate, 25 lb cans.	..	1.65	: 1.85
Terra Alba, No. 1, 300 lb bbls	100 lb	1.85	: 1.90
No. 2, bbls.	100 lb	1.25	: 1.35
Theobromine Alk., 5 lb cans.	..	..	: 5.75
and Sod. Salicylate, 1 lb bot.	..	..	: 3.50

Thiocarbamid, 170 lb bbls.	..	.28	: .30
Thymol, USP, 25 lb tins.	..	3.00	: 3.25
Iodide, 5 lb boxes.	..	6.75	: 7.00
VIN, Metal Stralts, NY.	100 lb	..	: 43.37
American standard, NY.	100 lb	..	: 43.37
99% American, NY.	100 lb	..	: 43.12
Bichloride, 50% soln. 100 lb	..	..
bbls. wks.	..	..	: .12 1/4
Crystals, 500 lb bbls. wks.	..	..	: .32
100 lb kgs. wks.	..	..	: .32 1/4
Oxide, 400 lb bbls. wks.	..	..	: .47
100 lb kgs wks.	..	..	: .49
Tetrachloride, 1000 lb drs. wks.	..	..	: .26 1/4
Toldine, 350 lb bbls.	..	1.00	: 1.10
Sulfate, 350 lb bbls.	..	..	: 1.10
Toluene, 8000 gal tank car, wks. gal	..	.25	: .27
110 gal drs. wks.	..	.30	: .32
Toluidine, Mixed, 900 lb drs. wks.	..	.31	: .32
Triphenylphenol, 100 lb cases.	..	..	: 1.00
Trional, see Sulfonethylmethane			
Triphenylguanidine	..	..	: .80
Triphenyl Phosphate, 450 lb bbls.	..	.50	: .60
Tripoli, 500 lb bbls.	100 lb	2.50	: 3.00
Tungsten NY	..	8.25	: 10.00
Ultramarine Blue	..	..	: .18
UREA, pharm. 112 lb cases.	..	..	: .36
VANILLIN, USP, 400 oz cans.	..	.48	: .48 1/4
Cans, 80 ozs.	..	..	: .48 1/4
Cans, 16 ozs.	..	..	: .50
Venetian Rod	..	..	: .05
Verdigris, see Copper Subacetate			
Vermillion, Amer. 100 lb kgs.	..	..	: .35
Witch hazel	..	..	: 1.30
Veratrine Sulfate, 10z vial.	..	..	: 2.00
Hydrochloride, 10z vial.	..	..	: 2.00
Veronal, see Acid Diethylbarbituric			
WHITE LEAD, see lead, white.			
White Precipitate, see mercury.			
Whiting, 200 lb bags, c/l wks. ton	14.00	: 16.00	
Bags, 15 lb NY.	..	..	: 22.50
Gliders, bags, NY.	ton	13.50	: 15.00
French, bags, NY.	ton	..	: 18.00
English, bags, NY.	ton	..	: 23.00
Witch Hazel Extract, 50 gal. bbls. gal	1.20	: 1.35	



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110gal. dra. NY.....gal50
5° dist. range, 8000gal tanks wks. gal
110gal. dra. wks. gal
Commercial, 110 gal dra., wks. gal34
Tanks, wks. gal	...	...	.29
Xylidine, 900lb dra. lb	...	...	.50
YARA YARA, 1lb tins. lb	1.75	2.00	
Yohimbin Hydrochloride, 1 oz. vial. oz	7.25	7.50	
ZINC, METAL, high grade, slabs c/l NY 100lb	...	...	8.50
Common Slabs, c/l NY.....100lb	6.80	6.85	
Mossy, 25lb bxs NY.....lb	...	...	.16
Ammonium Chloride, powd., 400lb bbls. lb	...	...	.07½ : .08
Carb. tech. 150lb kegs NY.....lb	...	...	.18
USP, 100lb kegs. lb	...	...	.30
Chloride, fused, 600lb drs. wks. lb	...	...	.06
Drs. c/l wks. lb	...	...	.04½ : .05
Imp. drs. NY.....lb	...	...	.05 : .05½
Granulated, 500lb bbls. wks. lb	...	...	.08 : .09
Imported, drs. NY.....lb	...	...	.06½ : .07
USP, 25lb jars. lb	...	...	.20 : .25
Cyanide, 100lb drs. lb	...	...	.42 : .43
Dust, 100lb tins wks. lb	...	...	.09½ : .10
500lb bbls, kegs, 1c/l wks. lb	...	...	.08½ : .09½
500lb bbls, kegs, c/l wks. lb	...	...	.520 : .35
Iodide, 5lb bbls. lb	...	...	.35
Nitrate, 25lb jars. lb	...	...	.08½ : .09
Nitrate, 25lb jars. lb	...	...	.08½ : .09
Oxide, Amer. 300lb bbls, wks. lb	...	...	.08½ : .09
Bbls. c/l wks. lb	...	...	.08½ : .09
French, 300lb bbls wks. lb	...	...	.10½ : .12½
Bbl c/l wks. lb	...	...	.10 : .12
Bags, c/l wks. lb	...	...	.09½ : .10½
USP, 100lb bbls. c/l. lb	...	...	.16
Ton lots, wks. lb	...	...	.17
Imported, white seal, bbls. lb	...	...	.12½
Green sea, bbls. lb	...	...	.10
USP, 100lb bbls. lb	...	...	.15 : .17
Stearate, USP, 50lb bbls. lb	...	...	.22
Sulfate, 400lb bbls, wks. lb	...	...	.08½ : .09½
Bbls, c/l wks. lb	...	...	.02½
USP, 100lb kegs. lb	...	...	.08 : .09
Sulfocarbolate, 100lb kegs. lb	...	...	.32 : .34

Oils

Castor, No. 1, 400lb bbls. lb	.13½	.14½
80lb cases. lb	...	.14½
No. 3, bbls. lb	.13	.14
Blown, 400lb bbls. lb	...	.13½
China Wood, bbls, spot NY.....lb	.21¼	.21¾
8000 gal. tks. NY.....lb	...	.20½
Nov., Dec., forward, bbls. China. lb	.21	.21¼
Coast, tanks, Nov. forward. lb	.20¾	.20½
Coconut Ceylon, 375lb bbls, NY. lb	.10	.10½
8000 gal. tanks, NY.....lb	.08½	.08½
Cochin, 375lb bbls, NY.....lb	.10½	.11
Tanks, NY lb	.09½	.09½
Manila, tanks, P. Coast. lb	.08½	.08½
Edible, bbls, NY.....lb	.11	.11½
Cod Newfoundland, 50 gal. bbls. gal	.68	.70
Tanks, NY gal	...	...
Copra, bags lb	...	.05½
Corn, ref. 375lb bbls, NY.....lb	.13	.13
Crude, tanks mills. lb	...	.10½
Bbls, NY lb	...	.11½
Cottonseed, crude tks. mills. lb	.10	.10
P. S. Y., 100 bbl. lots NY.....lb	.12	.12
White, 100 bbl. lots NY.....lb	.13½	.14
Winter yellow, 100 bbls, NY. lb	...	.13½
Degras, Amer. 50 gal. bbls, NY. lb	...	.04
English, bbls, NY.....lb	.04½	.04½
Neutral, bbls, NY.....lb	.11	.14
Greases, choice white, bbls, NY. lb	...	.11½
Yellow lb	.06½	.06½
Brown lb	.06½	.06½
House lb	.06½	.06½
Bone naphtha lb	.06½	.06½
Herring, Tanks, Coast gal	...	...
Grease, 375lb bbls, NY.....lb	.10	.10
Lard, prime steam bbls. lb	.14½	.14½
Compound, bbls. lb	.14½	.14½

LARD OIL, Edible prime, bbls. lb	...	.16½
Off prime, bbls. lb	...	.13½
Extra, bbls. lb	...	.12½
Extra No. 1, bbls. lb	...	.11
No. 1 bbls. lb	...	.10½
No. 2 bbls. lb	...	.10
LINSEED, raw c/l bbls, spot. gal	...	.90
Fine bbls, raw gal	...	.93
Boiled, 5 bbl. lots. gal	...	.95
Double boiled 5 bbl. lots. gal	...	.96
Raw, 1c/l bbls. gal	...	.93
Tanks gal	...	.84
Dec. gal	...	.87
Jan., Apr., c/l bbls. gal	...	.86
Imported, bbls, NY.....gal	...	...
Tanks, NY gal	...	...
Menhaden, crude, bbls, wks. gal	...	...
Crude, tanks gal	.47½	.50
Light strained, tanks. gal	...	.65
Light strained, bbls, NY.....gal	...	.68
Yellow bleached, bbls, NY.....gal	...	.71
Extra bleached, bbls, NY.....gal	...	.73
Blown, bbls, NY.....gal	...	.78
Neatsfoot, 20° c.t. bbls, NY.....lb	...	.16½
Extra, bbls, NY.....lb	...	.11
Pure, bbls, NY lb	...	.14½
Oleo Oil, No. 1, bbls, NY.....lb	...	.15½
No. 2, bbls, NY.....lb	...	.12
No. 3, bbls, NY.....lb	...	.10½
OLIVE, denatured bbls, NY.....gal	1.10	1.15
Edible, bbls, NY.....gal	1.70	2.00
Foots, bbls, NY.....lb	.08½	.08½
Shipment lb	...	.08½
Palm Lager, 1500lb casks. lb	.07½	.08
Niger casks lb	.07½	.07½
Boony old Calabar, casks. lb	...	...
Palm Kernel, 1500lb casks NY. lb	.09	.09½
Peanut, refined bbls, NY.....lb	...	.15½
Crude, mills buyers' tks. lb10½
Crude, bbls, NY.....lb
Perilla, bbls, NY.....lb	.14½	.15
Poopyseed, bbls, NY.....gal	2.25	2.50

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Rapeseed, refined bbls. NY.....gal	.76	: .77
Blown, bbls. NY.....gal	.93	: .95
Red Oil, distilled, bbls.....D	..	: .09½
Saponified, bbls.....D	..	: .09½
Tanks.....D	..	: .08½
Salmon, 8000 gal. tks. Coast.....gal	..	: ..
Sesame, domestic edible bbls.....D	..	: .12½
Sod Oil, bbls. NY.....gal	..	: .45
SOYA BEAN, crude tks. Coast.....D	..	: .09½
Crude, Tks. D.P., NY.....D	..	: ..
Crude, bbls. NY.....D	.11	: .11½
Sperm, 38° c. t. blechd. bbls. NY.gal	..	: .99
45° cold test, blechd. bbls. NY.gal	..	: .94
STEARIC ACID, s.p. 200 lb bags. D	.12½	: .13½
Double pressed, bags.....D	.13	: .13½
Double pressed, bgs., saponified. D	.13	: .13½
Triple pressed, bgs., distilled. D	.14½	: .14½
Triple pressed, bgs., saponified. D	.14½	: .14½
Stearine, oleo, bbls.....D	..	: .11
Lard, bbls.....D	..	: .15
Tallow, edible, tierces.....D	..	: .10½
City, extra, loose.....D	.08	: .08½
Tallow Oil, acidless tks. NY.....D	..	: .10½
Bbls., c/1 NY.....D	..	: .11½
Walnut, crude bbls. NY.....D	..	: ..
Whale, nat. winter bbls. NY.....D	..	: .77
Blehd. winter bbls. NY.....gal	..	: .79
Extra Blehd. bbls. NY.....D	..	: .81
Crude, No. 1, tanks Coast.....D	..	: ..
Crude, No. 2, tanks Coast.....D	..	: ..
Crude No. 3, tanks Coast.....D	..	: ..

Fertilizer Materials

Ammon. Sulf., bulk wks.....100 lb	2.90	: 2.95
Double, bgs. f.a.s. NY.....100 lb	3.10	: 3.40
Single bags, wks.....100 lb	3.05	: 3.10
Blood, dried f.o.b. NY.....unit	..	: 4.00
Bone, 3 & 50 ground steamed. ton	25.00	: 25.00
Raw, Chicago.....ton	..	: 30.00

Cyanamide wks.....unit	2.20	: 2.2
Fish Scrap, dried wks.....unit	4.10	: .10
Acid, Bulk, 7 & 3½, wks.....unit	3.00	: .10
NITRATE SODA, NY.....100 lb	..	: 2.45
Phosphate Rock, f.o.b. mines,		
Florida pebble, 68-75%.....ton	3.25	: 4.50
Tennessee, 72%.....ton	..	: 5.50
Phosphate Acid, 16% Bulk wks.....ton	8.00	: 8.50
Potassium Muriate, 80%.....unit	..	: .68
Sulfate.....unit	..	: .93
Steamed Bone Meal, NY.....ton	32.00	: 35.00
Tankage, ground, NY.....unit	3.75	: .10
High grade f.o.b. Chicago.....unit	3.65	: .10

Naval Stores

(Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.....gal	..	: .95
Wood Turpentine, stm. distd. bbls.gal	..	: .89
Destructive distilled, bbls.....gal	..	: .73
Pine Oil, stm. dist'd, bbls.....gal	..	: .65
Pitch, prime.....bbl	..	: 5.50
Resins, (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb)		
B.....280 lb	..	: 5.80
D.....280 lb	..	: 5.80
E.....280 lb	..	: 5.80
F.....280 lb	..	: 5.80
G.....280 lb	..	: 5.80
H.....280 lb	..	: 5.80
I.....280 lb	..	: 5.80
K.....280 lb	..	: 5.80
M.....280 lb	..	: 5.85
N.....280 lb	..	: 6.15
WG.....280 lb	..	: 6.75
WW.....280 lb	..	: 7.00

Rosin Oil, first run, 50 gal. bbls.gal	..	: .43
Second run, bbls.....gal	..	: .48
Tar, kiln-burnt.....bbl	..	: 11.00
Retort.....bbl	..	: 11.00

Woods

Barwood, chips.....D	.04½	: .05
Camwood, chips.....D	.09	: .13
Divi Divi, pods 100-200 lb bags. ton	40.00	: 42.00
Fustic, sticks.....ton	30.00	: 35.00
Chips.....D	.04	: .06
Hemlock, bark.....ton	..	: 20.00
Hyperic, chips.....D	.06½	: .07
LOGWOOD, sticks.....ton	28.00	: 30.00
Chips 150 lb bags.....D	.02½	: .03
Mangrove bark, African.....ton	34.00	: 38.00
Bark, South American.....ton	25.00	: 30.00
Myrobalana, 150 lb bags J1.....ton	..	: 33.00
R1.....ton	..	: 35.00
J2.....ton	..	: 27.00
Nutgalls, see Crude Drugs.		
Oak bark, whole.....ton	20.00	: 23.00
Ground.....ton	..	: 25.00
Quercitron bark, rough.....ton	..	: 10.00
Ground.....ton	20.00	: 25.00
Sumac, Sicily, 160 lb bags.....ton	76.00	: 80.00
Virginia, 150 lb bags.....ton	..	: 35.00
Valonia Cups, 28-33% tan.....ton	36.00	: 38.00
Yead, 40% tan, 150 lb bgs. ton	50.00	: 52.00
Wattle bark, 150 lb bags.....ton	..	: 35.00

Extracts

Range of prices includes quality range for large quantity.

Annatto, fine.....D	.36	: .20
Archil, double 600 lb bbls.....D	.16	: .18
Triple, 600 lb bbls.....D	.17	: .19
Conc., 600 lb bbls.....D	.18	: .20

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Tannins and Dyestuffs

Chestnut, clarified, 25% tka. wks. lb.	.02	: .02%	Osage Orange, 51° liquid. lb.	.07	: .08	Crude Drugs		
Bbls., wks. lb.	.02%	: .02%	Powd. 100 lb bags. lb.	.14	: .15			
Powd., 60% 100 lb bbls. wks. lb.	.05%	: .06	Persian Berries lb.	.27	: .30	Aceroides Gum, yel. lb.	.18	: .20
Decolorized, bbls, wks. lb.	.08	: .09	QUEBRACHO, 35% liquid tka. lb.	.03	: .03%	ACONITE Leaves, bales. lb.	.25	: .27
Cudbear, English lb.	.21	: .23	450 lb bbls. lb.	.03%	: .04	Aconite Root, USP, bags. lb.	...	: .50
Cutch, Rangoon, 100 lb bales. lb.	.13	: .16	35% bleaching, 450 lb bbls. lb.	.04%	: .05%	Agar Agar, 1, 200 lb bales. lb.	1.80	: 1.85
Borneo, solid, 100 lb bales. lb.	.04%	: .05%	Solid 65% 100 lb bales. lb.	.05	: .05%	No. 2, bales lb.	1.75	: 1.80
Liquid, 450 lb bbls. lb.	.10	: .11	Clarified bales lb.	...	: .06	No. 3, bales lb.	1.65	: 1.75
Tablets, 120 lb boxes. lb.	.13	: .14	Quercitron, 51° 450 lb bbls. lb.	.06%	: .07%	Agaric, white, cases. lb.	...	: 4.25
Flavine lb.	.90	: .95	Powdered, 100 lb boxes. lb.	.09	: .13	Almonds, bitter bags bxs. lb.	.32	: .35
Fustic, solid 50 lb boxes. lb.	.14	: .18	Spruce, 25% liquid tanks wks. lb.	.01	: .01%	Sweet, bags lb.	.45	: .46
Crystals, 100 lb boxes. lb.	.22	: .24	Powd. 50% 100 lb bags wks. lb.	.02	: .02%	Meal, tins, boxes lb.	.28	: .30
Liquid, 51°, 600 lb bbls. lb.	.10	: .14	Sumac, liquid 450 lb bbls. lb.	.07	: .09	Aletris Root, bags lb.	.60	: .62
Gall extract lb.	.16	: .18	DYERS' SUNDRIES			Alkanet Root, bags lb.	.07	: .08
Gambier, 25% liq. 450 lb bbls. lb.	.08%	: .09%	Albumen, technical, egg 200 lb cs. lb.	...	: 1.10	Aloes, Barbados, 120 lb bbls. lb.	.65	: .70
Common, 200 lb cases. lb.	.10%	: .11	Blood, domestic, 100 lb drs. lb.	.50	: .60	Cape, 400 lb cases. lb.	.09	: .10
Singapore cubes, 150 lb bags. lb.	.18	: .19	Spray Yolk 150 lb cs. lb.	.45	: .65	Curacao, 100 lb cases. lb.	.10%	: .11
HEMATINE, Paste, 500 lb bbls. lb.	.11%	: .13%	British Gum, 140 lb bags c/l 100 lb	4.19	: 4.34	Socotrine, whole 100 lb cs. lb.	.30	: .32
Crystals, 400 lb bbls. lb.	.16	: .20	Bags, lc/l 100 lb	4.29	: 4.44	Althea Root, cut cases. lb.	.23	: .25
Hemlock, 25% 600 lb bbls. wks. lb.	.03%	: .03%	Dextrin, corn 140 lb bags c/l 100 lb	...	: 3.84	Whole bags lb.	.09	: .10
Hyperic, 51°, 600 lb bbls. lb.	.15	: .20	Bags, lc/l 100 lb	...	: 3.94	Ambergris, black boxes. lb.	...	: 8.00
Indigo, Madras bbls. lb.	.85	: .90	Yellow, bags c/l. 100 lb	...	: 3.89	Grey, boxes lb.	.02	: 28.00
Manila, bbls. lb.	...	: 1.30	Potato 220 lb bags c/l. lb.	...	: .07%	Ammoniac, tears, bags. lb.	1.35	: 1.40
Larch, 25%, 600 lb bbls., wks. lb.	.03%	: .03%	Bags, lc/l 100 lb	...	: .08%	Angelica Root, dom. bags. lb.	.14	: .15
Powd. 100 lb bags, wks. lb.	.07%	: .08	Yellow, 220 lb bags. lb.	...	: .08	Angostura Bark, bags. lb.	.08	: .10
Logwood, 51°, 450 lb bbls. lb.	.07%	: .12%	Tapioea, 200 lb bags, lc/l. lb.	.09	: .10	Anise, Levant bags. lb.	.15	: .16
Solid, 50 lb boxes. lb.	.15	: .21	Prussian blue lb.	.60	: .62	Russian, bags. lb.	.14	: .15
Madder, Dutch lb.	.28	: .30	Sago Flour, 150 lb bags. lb.	.04%	: .05	Star, cases lb.	.12	: .12%
Mangrove, 55% 400 lb bbls. lb.	.04%	: .05	STARCH, powd. 140 lb bags c/l 100 lb	...	: 3.42	Spanish, bags. lb.	.16	: .17
Myrobalan, 25% liquid bbls. lb.	.04	: .05	Bags lc/l 100 lb	...	: 3.52	Annatto Seed, 200 lb bags. lb.	.10	: .21
50% solid, 50 lb boxes. lb.	.04%	: .05	Pearl, 140 lb bags c/l. 100 lb	...	: 3.32	ARABIC GUM,		
Oak, tanks wks. lb.	.04	: .04%	Potato, domestic, 200 lb bags. lb.	.05	: .05%	White, No. 1, 200 lb bags. lb.	.26	: .28
23-25% liq. 600 lb bbls. wks. lb.	.05	: .05%	Imported, bags duty paid. lb.	.06	: .06%	Secund, 250 lb bags. lb.	.24	: .26
			Tapioea Flour, high grade bags. lb.	...	: .07	Sorts, amber, 200 lb bags, bbls. lb.	.13%	: .14
			Medium grade bags. lb.	.05%	: .06	Powd., USP, 300 lb bbls. lb.	.21	: .22
			Low grade, bags lb.	.04	: .04%	Areca Nuts, 150 lb bags. lb.	...	: .09
			Turkey Red Oil, bbls. lb.	.11	: .12	Powd., 200 lb bbls. lb.	...	: .11
			Yolk Oil, bbls. lb.	...	: .35	Arnica Flowers, bales lb.	.12	: .13
						Root, Bags lb.	.16%	: .17
						Arrowroot, Amer., powd. bbls. lb.	.06%	: .09%
						St. Vincent, powd. bbls. lb.	.16%	: .17
						Asafoetida, USP, 250 lb cases. lb.	.24	: .25
						Powd. 50 lb bxs. lb.	.49	: .50
						BALM GILEAD BUDS, bags. lb.	.45	: .50
						Balmory Herb, bales. lb.	...	: .14

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BALSAMS			Cannabis, true imp. bags.....lb	6.00	Cloves, Zanzibar, 135lb bales...lb	.35	.36
Copaiba, Para, 80lb cs.....lb	.23	.25	American (no assay) bales....lb	.80	Amboyas, bales.....lb	...	...
South American, 80lb cs...lb	.27	.28	USP.....lb	1.70	Penang, bales.....lb	...	...
Fir Canada, cans.....gal	12.80	13.00	Cantharides, Chinese cases...lb	1.05	Cochineal, USP, boxes.....lb	.35	.37
Wax, bbls.....lb	2.15	2.25	Powdered, boxes.....lb	1.25	Coca Leaves, Huanuco bags...lb	...	...
Oregon, bbls., cans.....gal	1.75	1.80	Cantharides, Russian, cases...lb	1.50	Truxillo, bags.....lb	...	.55
Peru, 120lb cases.....lb	2.25	2.35	Powdered, boxes.....lb	1.70	Cobosh Root, Black bags.....lb	.15	.16
Tolu, 90lb cases.....lb	...	...	Caraway Seed, African, bags...lb	.24 1/2	Blue, bags.....lb	.16	.17
Bamboo Brier Root, bags.....lb	.06	.07	Dutch, 110lb bags.....lb	.25 1/2	Colchicum Root, bags.....lb	.08	.09
Barberry Bark, tree bales.....lb	.22	.24	Cardamom bleached cases.....lb	1.50	Seed, bags.....lb	.10	.11
Bayberry Bark, bales.....lb	.11	.12	Decorated, cases.....lb	1.75	Colombo Root, whole bags...lb	.03	.04
Wax, bbls.....lb	.26	.27	Green, grinding, bags.....lb	1.50	Colocynth, apples, cases, bales...lb	.17	.22
Belladonna Leaves, bales.....lb	.18 1/2	.19	Carnauba Wax, Flor. bags.....lb	.52	Pulp, USP, bales.....lb	.33	.35
Root, bags.....lb	.11	.12	No. 1 N Country bags.....lb	.40	Coltsfoot Leaves, bags.....lb	.06	.07
Bees Wax, white bbls.....lb	.36	.38	No. 2 N Country bags.....lb	.24	Comfrey Root, bags.....lb	.13	.14
Yellow, refined bbls.....lb	.22	.24	No. 3 Fatty Gray, bags.....lb	.18 1/2	Condurango Bark, bales.....lb	.12 1/2	.13
Crude, bags.....lb	.23	.24	No. 3 Chalky, bags.....lb	.19 1/2	Conium Seeds, bags.....lb	...	.16
Benzoin Gum, Stam, boxes.....lb	1.30	1.35	Cascara Amarga, 150lb bales...lb	.30	Copaiba Balsam Para, see Balsams		
Sumatra, 80lb boxes.....lb	.27	.28	Cascara Sagrada, bales, Old...lb	.30	Copal Gum.....lb	.12	.13 1/2
Berberis Aquifolium Root, bags...lb	.14 1/2	.15	New.....lb	.28	Coriander Seed, Bombay bags...lb	.05	.07
Beth Root, bags.....lb	.22	.25	Cascarilla Bark, quills bales...lb	.34	Morocco, bags.....lb	.10 1/2	.10 1/2
Blackhaw Bark, root, bales.....lb	.41	.42	Siftings, bbls.....lb	.20	Bleached, bags.....lb	.14 1/2	.15 1/2
Tree, bales.....lb	.28	.30	Cassia Buds, 66lb cases.....lb	.12 1/2	Corn Silk, bales.....lb	.05 1/2	.06
Rlood Root, bags.....lb	.15	.16	China, select, mats cases.....lb	.09	Cotton Root Bark, bales.....lb	...	.30
Blueflag Root, bags.....lb	.23	.25	Saigon, assort. bales.....lb	.24	Cramp Bark, so-called bales...lb	...	.08
Boldo Leaves, bags.....lb	.20	.21	Cassia Fistula, baskets.....lb	.09 1/2	True, bags.....lb	.40	.42
Boneset Herb, bales.....lb	.08	.11	Castor Beans, bags.....lb	.03	Cranesbill Root, bags.....lb	.10	.11
Borage Flowers, bales.....lb	.18	.20	Castoreum, 1lb bot.....lb	4.00	CUBES BERNIES, XX bags.....lb	.70	.75
Boyonia Root, bags.....lb	.09	.10	Catechu Gum, bags.....lb	.09	Powdered, boxes.....lb	.75	.78
BUCHU LEAVES, short, 250lb			Catnip Herb, bales.....lb	.15	Culvers Root, bags.....lb	.35	.38
bales.....lb	.90	.95	Celery Seed, 220lb bags.....lb	.29	Cumin Seed, Levant bags.....lb	.28	.30
Less, bales.....lb	1.00	1.05	Ceresin Wax, white bags.....lb	.09	Morocco, bags.....lb	.24	.27 1/2
Long, bales.....lb	...	...	Yellow, 200lb bags.....lb	.08	Cuttlefish Bone, Trieste, straps...lb	.15	.16
Buckthorn Bark, bags.....lb	.06	.07	CHAMOMILE FLOWERS, Roman			...	.55
Burdock Root, bags.....lb	.19	.20	bales.....lb	1.00	Jewelers, large, straps.....lb	...	.35
Burgundy Pitch, dom. 110lb stands			Hung. cases bales.....lb	.08 1/2	Small, straps.....lb	...	.15
Gross for net.....lb	...	.05	Charcoal Willow, powd. bbls...lb	.06	French, straps.....lb	.15	.16
Calabar Beans, bags.....lb	.12	.14	Wood, powd. bbls.....lb	.04	Powdered, boxes.....lb	...	.13
Calamus Root, bleached cases...lb	.36	.38	Chestnut Bark, bags.....lb	.07	Broken, boxes.....lb	.07	.07 1/2
Unbleached, bags.....lb	.10	.13	Herb, bales.....lb	.06	Damar Gum, 136lb cases.....lb	.25 1/2	.26
Calendula Petals, imp bales.....lb	...	.30	Chicle Gum, bags.....lb	.75	Damiana Leaves, bales.....lb	.13 1/2	.14
Callisaya Bark, bales, powd.....lb	.27	.30	Chiretta, bales.....lb	.10	Dandelion Root, Imp., bags...lb	.24	.25
Campfor, see Chemicals			Cinchona Bark, red quills bales...lb	.45	Deer Tongue Leaves, bales...lb	.09	.10
Canary Seed, Morocco bags.....lb	...	.06	Broken, bales.....lb	.25	Digitalis Leaves, bales.....lb	.07	.08
South American, bags.....lb	.05	.05 1/2	Cinnamon, Ceylon, bales, bond...lb	.22	Dill Seed, bags.....lb	.08 1/2	.09
Candellila Wax, bags.....lb	.23	.25	Civet, Abyssin horns.....oz	2.75			
Canela Alba Bark, bales.....lb	.52	.55	Clover Tops, bags.....lb	.27			

We carry in stock and offer for sale:

Culvers Root	Canada Snake Root	Spikenard Root
Helonias Root	Aletris Root	Wahoo Bark of Root
Mandrake Root	Pink Root	Wahoo Bark of Tree
Black Cohosh Root	Blue Cohosh Root	Sweet Anise Root
Black Haw Bark of Root	Black Indian Hemp Root	Yellow Dock Root
Black Haw Bark of Tree	Blue Flag Root Natural	Serpenteria Root
Blood Root	Blue Flag Root Stripped	Yellow Root (Xanthorrhiza)
Burdock Root	Cranesbill Root	American Cannabis
Calamus Root	Lady Slipper Root	Elm Bark Grinding
Echinecea Root (Augustifolia)	Pleurisy Root (Western)	Prickley Ash Bark (Southern)
Echinecea Root (Purpurea)	Poke Root	Prickley Elder Bark
Golden Seal Root	Queen of the Meadow Root	Stramonium Leaves
Rosin Weed Root	Solomon Seal Root	Wild Cherry Bark
Rosin Weed Herb	Scull Cap Herb (Western)	Boneset Herb
Scull Cap Leaves (Western)	May Pop Leaves	Boneset Leaves

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Crude Drugs

Dogwood Bark, Jamaica bags....lb	.10½	.12	Grindella Robusta Herb, bales....lb	.07	.07½	LADY SLIPPER ROOT, bags....lb	.51	.85
Flowers, bales.....lb	..	.15	Guaiac Gum, 80lb cases.....lb	.28	.30	Larkspur Seed, bags.....lb	.90	1.00
Dogras Root, USP, cut bags....lb	.12	.14	Guarana, tins, cases.....lb	.60	.70	Laurel Leaves, bales.....lb	.04½	.04½
Dragons Blood, mass cases.....lb	.45	.50	GUM, see Arabic Gum, etc.			Lavender Flowers, Ordinary.....lb	.35	.40
Reeds, boxes.....lb	1.25	1.30	HELLEBORE ROOT,			Selected.....lb	.38	.42
ECHINACEA ROOT, bags.....lb	.32	.34	Black, bbls.....lb	.08	.10	Leeches, tubs.....Per 100	..	6.00
Elecampane Root, bags.....lb	.09	.10	Powdered.....lb	.15	.17	Lemon Peel, bags.....lb	.09	.10
Elder Flowers, bags.....lb	.14	.16	White, Powd, 250lb bbls....lb	.10	.17	Licorice Root, Russian whole....lb	.07½	.08
Elemi Gum, 80lb cases.....lb	.10	.11	Helonias Root, (unicolor false) bags.....lb	.88	.90	Spanish, natural bales.....lb	.09	.09½
Elm Bark, select, 5lb bundles caseslb	.32	.34	Hemp Seed, Manchurian bags....lb	.05	.05½	Powdered, bbls.....lb	.09½	.10
Grinding, bags.....lb	.10	.12	Chilian, bags.....lb	..	..	Selected, 2 & 5lb bundles....lb	.16	.30
Powdered, bbls.....lb	.23	.24	No assay.....lb	..	..	Cuttings, 125lb bags.....lb	.07	.07½
ERGOT, 150-200lb bags.....lb	.38	.40	Henbane Leaves, bales, USP....lb	.37	.39	Life Everlasting Herbs, bales....lb	.05	.08
Eucalyptus Leaves, bales.....lb	..	.05	Henna Leaves, bales.....lb	.12	.13	Lime Juice, clarified bbls.....gal	.50	.60
Euphorbia Pilulifera Herb, bags....lb	.15	.17	Powdered.....lb	.16	.17	Linden Flowers, with leaves, baleslb	.14	.16
Euphorbium Gum, cases.....lb	..	.33	Honey, Calif., 120lb cases....lb	.11½	.12	Without Leaves, bales.....lb	.30	.32
Powdered, boxes.....lb	..	.40	Hops, N. Y. prime bales.....lb	.25	.28	Liverwort Leaves, bales.....lb	.20	.22
Fennel Seed, French, bags.....lb	.16	.17	Pacific Coast prime bales....lb	.22	.25	Lobelia Herb, bales.....lb	.25	.27
German, bags.....lb	.18	.19	Horsetail Rush, bags.....lb	.10	.11	Lobelia Seed, bags.....lb	.62	.65
Indian, bags.....lb	.12	.12½	India Gum, see Karaya	..	.15	Lorag Root, Imported, bags....lb	.20	.22
lax Seed, whole 180lb bbls....ea	13.00	13.50	INSECT FLOWERS, open whole bales.....lb	..	..	Lupulin, boxes.....lb	1.40	1.50
Ground, 180lb bbls.....lb	.07½	.08	Closed whole, bales.....lb	..	..	Domestic.....lb	1.30	1.40
Foenugreek Seed, 200lb bags....lb	.07	.07½	Powdered, pure 200lb bbls....lb	.66	.72	Lycopodium, 88lb cs.....lb	.34	.36
Fish Berries, 100-125lb bags....lb	.03	.03½	Flowers and stems, 50 p. e. 200lb bbls.....lb	.38	.40	MACE, Siam, No. 1 cases.....lb	.44	.45
Fringe Tree Bark, bags.....lb	.19	.20	Ipecac Root, Cartagena, bags....lb	2.10	2.20	Banda, No. 1 cases.....lb	.50	.52
GALANGAL ROOT, bags.....lb	.08	.09	Powdered, 200lb bbls. boxes.lb	2.50	2.60	Batavia, cases.....lb	.38	.39
Galbanum Gum, cases.....lb	.80	.95	Rio Whole, bags.....lb	..	..	Malva Flowers, blue bales....lb	.27	.30
Gambler Gum, bags.....lb	.09	.10	Powdered, 200lb bbls. boxes.lb	..	..	Black, bales.....lb	.65	.75
Gamboge Gum, 160lb cases.....lb	1.00	1.05	Isinglass, American, 130lb cs....lb	.65	.70	Manna, large flake cases.....lb	..	..
Powdered, cases.....lb	1.05	1.10	Russian (Beluga) box, ctms....lb	5.50	7.50	Small flake, cases.....lb	.42	.44
Gelsemium Root, bags.....lb	.11	.11½	JABORANDI LEAVES, bales.....lb	.16	.18	Sorts, cases.....lb	.27	.30
Gentian Root, bags.....lb	.08½	.09	Jalap Root, whole, 150lb bags....lb	.33	.35	Mandrake Root, bags.....lb	.21	.22
Ginger, African, bags.....lb	.13½	.14	Powdered, USP, 250lb bbls....lb	.33	.40	Mastic Gum, 120lb cases.....lb	.65	.70
Jamaica, grinding, bags bbls....lb	.32	.39	Japan Wax, 224lb cases.....lb	.16	.16½	Mezerein Bark, bags.....lb	.11	.12
Japan, bags.....lb	.14	.14½	Job's Tears, white bags.....lb	.25	.30	Matico Leaves, bales.....lb	.20	.22
Cochin, ABC & lemon, bags....lb	.15	.15½	Juniper Berries, 125lb bags....lb	.03	.03½	Marjoram Leaves, German bales..lb	.17½	.18
Ginseng Root, cultivated, bags....lb	8.00	10.00	KAMALA, boxes.....lb	1.90	2.00	French, bales.....lb	.13½	.14½
Northwestern Wild, bags.....lb	14.00	15.00	Karaya Gum, powdered, bbls....lb	.15	.20	Millet Seed, dom. yellow bags....lb	.03½	.05
Southern Wild, bags.....lb	10.00	12.00	Kava Kava Root, bags.....lb	.16	.17	Montan, Wax, crude bags.....lb	.04	.04½
Golden Seal Root, bags.....lb	3.45	3.55	Kino Gum, black cases.....lb	.50	.55	Bleached.....lb	..	..
Powdered, boxes.....lb	3.85	3.95	Kola Nuts, 150lb bags.....lb	.05	.06	Moss, Iceland bales.....lb	.08	.09
Grains of Paradise, bags.....lb	.12	.14	Kousoo Flowers, bags.....lb	..	3.00	Irish, bleached bales.....lb	.10	.12
						Mullein Flowers, tins.....lb	1.25	1.30

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Oil Pine Pumilio U. S. P.

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Crude Drugs

Musk, pods, Cabardine, tins.....	16.00	: 17.00	Patchouli Leaves, bales.....	.22	: .25	Rosemary Flowers, cases bales....	.28	: .30
Tonquin.....	22.00	: 25.00	Pepper, black Sing. bags.....	.10%	: .10%	Rose Petals, pale.....	.22	: .25
Grain Cab.....	25.00	: 26.00	White, bags.....	.14	: .14%	Red.....	.65	: .70
Tonquin.....	35.00	: 38.00	Peppers, red Mombasa, bags.....	.16	: .16%	Rue Herb, bales.....	.30	: .35
Synthetic, see Chemicals.....			Cherries, bags.....	.14	: .15	SABADILLA SEED , bags.....	.13	: .14
Musk Root, Russian bags.....			Bombay, bags.....	.15	: .15%	Powder, bbls.....	.17	: .18
Mustard Seed, Bari brown bags..	.08%	: .09	Japan, bags.....	.28%	: .30	Saffron Flowers, Amer. bales....	1.00	: 1.05
Bombay, brown.....	.08%	: .09	Pennyroyal Herb, bales.....	.08	: .12	Valencia, 1 lb cans.....	36.00	: 37.00
California, brown.....	.08%	: .09	Peppermint Leaves, imp. bales..	..	: .35	Sage, Dalmatian bales.....	.05%	: .06%
Yellow.....	..	: .09	Domestic leaf.....	.27	: .29	Greek, bales.....	.04%	: .05%
Chinese yellow.....	.04	: .04%	Peru Balsam, see Balsams.....	.23	: .25	Spanish, bales.....	.03	: .03%
English, yellow.....	.08%	: .09	Pitch Leaves, bags.....	.05	: .05%	Sandalwood, chips bags.....	..	: .30
Dutch, yellow.....	.08	: .08%	Pimento, select bags.....	..	: 1.05	Ground, bags.....	..	: .35
Danish, yellow.....	.08%	: .09	Pink Root, true bags.....	..	: .22	Sandarac Gum, 300 lb bbls....	.20	: .23
Myrrh Gum, select 200 lb cs.....	.35	: .37	Pitch, Burgundy, see Burgundy Pitch	..	: .15	Sarsaparilla Root Honduras, bales	.61	: .65
Sorts, cases.....	.33	: .35	Pleurisy Root, bags.....	..	: .15	Mexican, bales.....	.26	: .27
NUTGALLS , Chinese bags.....	.17	: .18	Poke Berries, bags.....	..	: .07%	Sassafras Bark, ordinary bales..	.13	: .15
Aleppy, bags.....	.14	: .15	Poke Root, bags.....	..	: .30	Select, bales.....	.28	: .30
Nutmegs, 110s cases.....	.21	: .22	Pomegranate Bark, of root bags..	..	: .30	Savory Leaves, bales.....	.08%	: .09%
Tsa, 80s cases.....	.26	: .28	Of tree.....	..	: .30	Saw Palmetto Berries, bags....	.10	: .11
Nux Vomica Buttons, bags.....	.06	: .07	Poppy Flowers, red bags.....	.25	: .27	Scammony Resin, boxes.....	1.40	: 1.60
Powdered, 200 lb bbls.....	.08%	: .09	Poppy Seed, Dutch, bags.....	.11	: .11%	Scammony Root, bags.....	.06%	: .07
OAK BARK , red bags.....	.05	: .06	German, bags.....	..	: .10%	Senega Root, bags.....	.64	: .66
White, bags.....	.06	: .07	Turkish, bags.....	.06	: .06	SENNA , Alex. 150 lb cases.....	.24	: .25
Olibanum Gum, sift 280 lb cases..	.09	: .09%	Blue Indian, bags.....	.08	: .08%	Half Leaf, 350 lb bales.....	.18%	: .19%
Tears, 280 lb cases.....	.11	: .13	White Indian, bags.....	.07	: .07%	Siftings, 400 lb bales.....	.13	: .14
No. 1, all white, 280 lb cases	.21	: .22	Prickly Ash Bark Southern, bags..	.14	: .14%	Powdered, 200 lb bbls.....	.14	: .15
Opium, gum USP cases.....	8.00	: 10.00	Northern, bags.....	..	: .16	Tinnevely, job, 350 lb bbls..	.11	: .16
Granular, cans.....	9.00	: 11.00	Prickly Ash Berries, bags.....	.12	: .14	Grinding, 350 lb bales.....	.07	: .09
Powdered, USP, cans.....	9.00	: 11.00	Prince's Pine, bales.....	.35	: .38	Powdered, 200 lb bbls.....	.09	: .10
Orange Flowers, cases.....	.50	: 1.00	Pulsatilla Herb, bags.....	.25	: .27	Pods, 350 lb bales.....	.15	: .17
Orange Peel, bitter bags.....	.07%	: .07%	Pumpkin Seed, bags.....	.14	: .16	Serpentaria Root, bags.....	.80	: .85
Sweet, bags.....	.08	: .08%	QUASSIA CHIPS , bags.....	.06%	: .07%	Shellac, T.N., bags.....	.62	: .63
Orris Root Florentine bold bags..	.07	: .08	Queen of the Meadow Herb, bags..	..	: .06	Superfine Orange, bags.....	.68	: .70
Powdered, 200 lb bbls.....	.11%	: .12	Quince Seed, bags.....	.95	: 1.10	D. C., bags.....	.83	: .85
Verona, bags.....	.05	: .06	RAPE SEED , South Amer. bags..	.06%	: .07	V. S. O., cases.....	.83	: .85
Powdered, 200 lb bbls.....	.07%	: .08	Dutch, bags.....	.05%	: .06	Pwd. reg., 350 lb bbls.....	..	: .73
Fingers, cases.....	.58	: .60	Japanese, small, bags.....	.56	: .60	Regular Bleached, 350 lb bbls..	..	: .65
Ozokerite Wax, brown hard bags..	.22	: .24	Raspberries, dried boxes.....	.17	: .19	Bone, Dry, 350 lb bbls.....	.70	: .72
Green, hard bags.....	.25	: .26	Red Saunders.....	..	: .08%	Simaruba Bark, bales.....	.09	: .10
Refined, yellow bags.....	..	: .22	Rhatany Root, bags.....	.37	: .38	Sideritis Herb, cut bags.....	..	: .18
PAPRIKA , bags.....	.17	: .22	RHUBARB , H. D., cases.....	.44	: .45	Skullcap Leaves, bales.....	..	: .38
Hungarian.....	.27	: .37	Powdered, 200 lb bbls.....	.04%	: .05	Sloe Berries, bags.....	.03	: .04
Pareira Brava Root, bags.....	.19	: .20	Rosemary Leaves, bales.....	..				
Parsley Seed, bags.....	.08	: .08%						

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Crude Drugs

Soake Root, Canada natural bags. lb.	.43	: .45
Stripped, bags. lb.	...	: .55
SOAP BARK, whole, 150-200 lb.		
bales. lb.	.07½	: .09
Cut, 125-175 lb. bags. lb.	.09	: .09½
Crushed, 200 lb. bbls. lb.	.11	: .12
Powdered, 200 lb. bbls. lb.	.12	: .14
Spearmint Leaves, American bales. lb.	.23	: .24
Spermaceti, blocks cakes cases. lb.	.39	: .41
Spikenard Root, bags. lb.	.27	: .28
Spruce Gum, boxes. lb.	1.00	: 1.50
Squaw 7ine, bales. lb.	...	: .17
Stavesacre Seed, bags. lb.	.28	: .29
Stone Root, bags. lb.	.09	: .10
Storax, liquid artif. lb.	.70	: .75
Gen. USP. lb.	.90	: 1.00
St. Ignatius Beans, bags. lb.	.22	: .23
St. John's Bread, bags. lb.	.04	: .08
Stramonium Leaves, bales. lb.	.08	: .09
Stramonium Seed, bags. lb.	.12	: .13
Strophanthus Seed, Hispania. lb.	.35	: .40
Kombe, bags. lb.	.30	: .35
Sunflower Seed, domestic bags. lb.	.07	: .07½
South American, bags. lb.	.06	: .07½
TAGALDER BARK, bags. lb.	...	: .05
Tamarinds, bbls. lb.	...	: .06½
Kegs. lb.	...	: 3.50
Tansy Herb, bales. lb.	.18	: .20
Tar, Barbadoes, 50 gal. bbls. gal.	1.60	: 1.75
Thus Gum, 280 lb. bbls. lb.	...	: .05½
Thyme, Spanish bales. lb.	.08	: .08½
French, bales. lb.	.09½	: .09¾
Tilla, See Linden		
Tolu Balsam, see Balsams		
Tongo Bark, bags. lb.	.30	: .31
Tonka Beans, Angostura, cases. lb.	2.25	: 2.35
Para, cases. lb.	.75	: .80
Surinam, cases. lb.	.80	: .85

Tragacanth Gum, No. 1, ribbon	1.40	: 1.45
200 lb. cs. lb.	1.00	: 1.40
No. 2 to No. 6, cases. lb.	1.00	: 1.50
Powdered, 50 lb. boxes. lb.	.75	: .90
Turkish, cases. lb.	.10½	: .11
Termeric Root, Madras bags. lb.	.09	: .09½
Aleppy, bags. lb.	.08	: .08½
China, bags. lb.	.17	: .20
Turpentine, Venice, true 80 lb. cs. lb.	.14	: .15
Artificial, 80 lb. cases. lb.	...	: ...
Spirits, see Naval Stores		
UNICORN ROOT, false, see Helonias		
True, see Aletris		
Uva Urd Leaves, bales. lb.	.07	: .07½
VALERIAN ROOT, Belgian bags. lb.	.09½	: .10
Vanilla Beans Mex. whole cases. lb.	9.00	: 10.00
Cuts, cases. lb.	5.60	: 6.00
Bourbon, cases. lb.	4.60	: 4.75
South American, cases. lb.	6.00	: 6.50
Tahiti, yellow label cases. lb.	...	: ...
Green Label, cases. lb.	.65	: .70
Violet Flowers, bags. lb.	1.00	: 1.05
WANOO BARK, of root bags. lb.	.46	: .48
Of Tree, bags. lb.	.07	: .08
White Pine Bark, rosed, bags. lb.	.04	: .05
White Poplar Bark, bags. lb.	...	: ...
Wild Cherry Bark, thin green	.15	: .16
Rosed, bales. lb.	.09	: .10
Thick Rosed, bales. lb.	.12	: .14
Thin Natural, bales. lb.	.07	: .08
Thick Natural, bales. lb.	...	: ...
Willow bark bags. lb.	...	: .15
White, bags. lb.	...	: .07
Witch Hazel Bark, bags. lb.	...	: .09
Witch Hazel Leaves, bales. lb.	...	: .10
Worm Seed, American bags. lb.	...	: .10
Levant bags. lb.	...	: .10
Wormwood Herb, imported bales. lb.	.04	: .04½
Yacca Gum, red. lb.	.05½	: .06½
Ground. lb.	.12	: .14
YELLOW DOCK ROOT, bags. lb.	.16	: .17
Yellow Parilla Root, bags. lb.	.10	: .11
Yerba Santa, bags. lb.	.08	: .10
Zedoary Root, bags. lb.	...	: ...

Essential Oils

Almond Bitter USP 5 lb. bots. lb.	3.25	: 3.75
Bitter fl PA 5 lb. bots. lb.	3.50	: 3.75
Artificial (See Benzaldehyde—Chemicals)		
Sweet, 56 lb. cans. lb.	.33	: .34
Peach Kernel, 55 lb. tins. lb.	.24	: .25
Apricot, see Peach Kernel		
Amber, crude 25 lb. tins. lb.	.70	: .75
Rectified, 25 lb. tins. lb.	.90	: 1.00
Angelica Root, 1 lb. bot. lb.	38.00	: 39.00
Seed, 1 lb. bot. lb.	36.00	: 38.00
ANISE, Tech., 66 lb. case. lb.	.37½	: .40
USP 50 lb. tins. lb.	.40	: .45
Bay, 25 lb. tins. lb.	2.50	: 2.60
Bergamot, 25 lb. coppers. lb.	2.85	: 3.00
Artificial, 25 lb. cans. lb.	2.00	: 2.25
Birch Tar, rect. 5 lb. bot. lb.	1.10	: 1.15
Crude, 50 lb. tins. lb.	.60	: .65
Bois de Rose, 25 lb. tins. lb.	2.40	: 2.50
Cade, USP, 25 lb. tins. lb.	.35	: .40
USP, 5 lb. bot. lb.	.45	: .50
Cajuput, native, 50 lb. tins. lb.	.80	: .85
Calamus, 5 lb. bot. lb.	4.25	: 4.75
Camphor, heavy, 1000 lb. drums. lb.	12½	: 13½
Japanese, white, 72 lb. cases. lb.	.13½	: .15
White, 1000 lb. drums. lb.	.13	: .15
Cananga, native 25 lb. tins. lb.	2.25	: 2.50
Rectified, 25 lb. tins. lb.	2.75	: 3.00
Caraway, USP. lb.	8.25	: 8.50
Cardamom, USP, 1 lb. bot. lb.	27.00	: 30.00
Carrol, 5 lb. bot. lb.	16.00	: 18.00
CASSIA, 75-80 p.c. 66 lb. cases. lb.	2.45	: 2.50
Redistilled, USP, 50 lb. cans. lb.	2.90	: 3.00
Cedar Leaf, 50 lb. tins. lb.	1.05	: 1.15
Cedar Wood, light 1000 lb. drums. lb.	.26	: .28
Celery, 1 lb. bot. lb.	8.50	: 9.00
Cinnamon, Ceylon, 1 lb. bot. lb.	11.00	: 12.50
Leaf, 5 lb. bot. lb.	...	: 2.00
CITRONELLA, Ceylon, 1000 lb. drs. lb.	...	: ...
50 lb. tins. lb.	...	: ...
Java, 400 lb. drums. lb.	...	: ...
50 lb. tins. lb.	...	: ...
Cloves, USP, 50 lb. cans. lb.	2.30	: 3.40
6 lb. bot. lb.	2.40	: 2.50

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Essential Oils

Copaiba, USP, 50 lb tins.....	35	: 40
Coriander, USP, 1 lb bot.....	17.00	: 17.50
Croton, USP, 25 lb tins.....	1.00	: 1.10
Cubeba, USP, 5 lb bot.....	5.75	: 6.00
Cumin, 1 lb bot.....	14.00	: 15.00
Fill, 1 lb bot.....	4.25	: 5.00
Erigeron, 20 lb tins.....	.75	: .85
EUCALYPTUS, Austl. USP		
50 lb cs.....	.72 1/4	: .75
500 lb drums.....	..	: .70
Fennel USP, 25 lb tins.....	1.00	: 1.10
Geranium, Algerian, 25 lb tins.....	8.00	: 8.50
Bourbon, 25 lb tins.....	8.00	: 8.50
Turkish, 25 lb tins.....	4.50	: 4.75
Ginger, 1 lb bot.....	5.75	: 6.00
Gingergrass, 28 lb tins.....	2.75	: 3.00
Hemlock, 50 lb cans.....	1.10	: 1.20
Juniper Berries, USP, 25 lb tins.....	1.15	: 1.25
Wood, 50 lb tins.....	.60	: .70
Lavender, USP, 28 lb tins.....	5.00	: 6.25
Spike, Spanish, 50 lb cans.....	.85	: .70
LEMON, Ital. USP, 25 lb tins.....		
American, USP, 25 lb tins.....	.75	: .87 1/2
Lemongrass, native, 50 lb cans.....	.80	: .85
Limes, express 25 lb tins.....	1.50	: 1.70
Distilled, 25 lb tins.....	.85	: 1.00
Linaloe, Mex. 80 lb cases.....	2.40	: 2.50
Mace, distilled, 50 lb tins.....	.95	: 1.00
Mirbane, ref., see Ar. Chemicals	..	
Mustard, USP, 1 lb bot.....	..	: 14.00
Artif., USP, 5 lb bot.....	2.70	: 3.00
Neroli, Bigarade, 1/2 & 1 lb bot.....	40.00	: 60.00
Petale 1 lb bot.....	65.00	: 80.00
Artificial, 1 lb bot.....	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	.95	: 1.00
Orange, bitter, 25 lb tins.....	2.65	: 2.75
Sweet, W. Ind., 25 lb tins.....	2.20	: 2.30
Italian, 25 lb cop.....	3.15	: 3.50
American, 25 lb tins.....	3.10	: 3.15
Origanum, 50 lb cans.....	.30	: .35
Parsley, 1 lb bot.....	3.50	: 4.00
Patchouli, 5 lb bot.....	7.75	: 8.00
Pennyroyal, dom. 25 lb tins.....	1.95	: 2.25
Imported, 25 lb tins.....	1.90	: 2.00
PEPPERMINT, nat. 60 lb cases.....	3.15	: 3.25
Redist., USP, 60 lb cases.....	3.40	: 3.50
Petit Grain, S. Am. 25 lb tins.....	1.75	: 1.85
French, 1 lb bot.....	7.00	: 8.00
Italian, 25 lb tins.....	2.25	: 2.35

Pimento, 25 lb tins.....	1.85	: 1.95
Pinus Sylvestris, 25 lb tins.....	..	: 1.75
Pumilio, USP, 25 lb tins.....	..	: 2.75
Rose, Fr., 8, 16 & 32 oz. pkgs.....	..	: 9.00
Bulg., 8, 16 & 32 oz. pkgs.....	8.00	: 9.00
Artificial, 1 lb bot.....	2.00	: 3.00
Rosemary, USP, 27 1/4 lb tins.....	.40	: .42
1000 lb drums.....	..	: .37 1/2
Tech., 27 1/4 lb tins.....	.35	: .40
Rue, 1 lb bot.....	..	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases.....	7.25	: 7.35
W. Indian. (Amryris) 25 lb tins.....	3.00	: 3.25
Sassafras, USP, 50 lb cans.....	1.75	: 1.80
Artificial, 1000 lb drs., 60 lb cans.....	.38	: .42
Savin, 5 lb tins.....	2.85	: 3.00
Spearmin, USP, 60 lb cases.....	2.50	: 2.60
Spruce, 50 lb tins.....	1.10	: 1.20
Tansy Amer., 20 lb tins.....	4.25	: 4.35
Tar, 50 gal. bbls.....	.25	: .26
Refined, USP 25 lb tins.....	..	: ..
Thyme, red, USP 25 lb tins.....	1.05	: 1.10
White, USP 25 lb tins.....	1.15	: 1.25
Tech., 110 lb drums.....	.85	: .90
Vetiver, Bourbon, 1 lb bot.....	7.25	: 7.50
Java, 1 lb bot.....	22.00	: 24.00
Wine, heavy 1 lb bot.....	..	: 2.75

WINTERGREEN		
Sweet bch., 25 lb tins.....	2.00	: 3.00
Gaultheria, true 25 lb tins.....	4.00	: 7.00
Synthetic, USP 50 lb cases.....	..	: .47
Wormseed Balt., USP, 25 lb tins.....	4.75	: 5.00
Wormwood dom., 25 lb tins.....	4.00	: 4.25
Ylang Ylang, Bourbon 10 lb tins		
No. 1.....	7.00	: 9.00
No. 2.....	5.00	: 6.00
Manilla, 1 lb bot.....	30.00	: 40.00
Artificial, 1 lb bot.....	10.00	: 12.00

OLEORESINS		
Aspidium, USP, 1 lb bot.....	2.75	: 3.00
Capsicum, USP, 5 lb bot.....	2.50	: 2.75
Ginger, 5 lb bot.....	3.00	: 3.10
Cubeb, USP, 1 lb bot.....	4.75	: 5.00
Malefern, See Aspidium	..	
Orris, 1 lb bot.....	..	: 18.00
Pepper, black, USP, 1 lb bot.....	3.50	: 4.00
Vanilla, 1 lb bot.....	9.50	: 10.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	1.60	: 2.00
Borneol, 1 lb bot.....	..	: 3.50
Citronellal, 1 lb bot.....	2.00	: 2.25
CITRAL, 25 lb cans.....	2.75	: 3.00
EUCALYPTOL, USP, 25 lb cans.....		
Eugenol, USP, 25 lb cans.....	.80	: .85
Geraniol, Domestic, 50 lb cans.....	3.25	: 3.50
Imported, 5 lb bot.....	4.25	: 5.50
Extra.....	..	: ..
Iso-Eugenol, 1 lb bot.....	4.50	: 5.00
Imported.....	5.50	: 6.50
Linalool, 5 lb bot.....	8.00	: 9.00
MENTHOL, 60 lb cases.....	..	: 15.50
Less cases, 5 lb cans.....	..	: 16.00
Rhodinol, 1 lb bot.....	15.00	: 20.00
SAFROL, 60 lb cans.....	.50	: .52
Thymol, USP, 25 lb tins.....	3.10	: 3.25

SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot.....	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	4.75	: 5.00
Aldehyde, C-8 (Octyl), 1 lb bot.....	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot.....	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot.....	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot.....	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	70.00	: 80.00
Aubepine, see Anisic Aldehyde		
Amyl Acetate, pure, 5 gal. cans.....	7.00	: 8.00
Amyl B. tyrate, 1 lb bot.....	2.00	: 2.10
Amyl Formate, 1 lb bot.....	2.25	: 3.00
Amyl Phenyl Acetate, 1 lb bot.....	8.50	: 9.00
AMYL SALICYLATE, dom. 100 lb chys.....		
Imported.....	1.45	: 1.50
Amyl Valerate, 5 lb bot.....	2.25	: 2.50
Anisic Aldehyde, 1 lb bot.....	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	3.75	: 4.50
BENZALDEHYDE, USP, 40 lb chys.....	1.50	: 1.60
FFC, 40 lb chys.....	1.75	: 1.85
Benzole Ether, See Ethyl Benzozate		
Benzophenone, 1 lb bot.....	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	1.55	: 1.75

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Benzyl Alcohol, 5 lb bot.....	1.60	: 1.70
BENZYL BENZOATE, 5 lb bot.....	1.60	: 1.75
Medicinal FFC	1.75	: 2.00
Benzyl Butyrate, C.P., 1 lb bot.....	5.50	: 6.00
Benzyl Cinnamate, 1 lb bot.....	10.00	: 10.50
Benzyl Formate, 1 lb bot.....	3.00	: 3.25
Benzyl Propionate, 1 lb bot.....	5.00	: 5.25
Bornyl Acetate, 1 lb bot.....	2.75	: 3.25
Bornyl Acetate, 25 lb kegs.....	4.00	: 4.25
Butyric Ether, See Ethyl Butyrate		
Cinnamic Acid, 5 lb cans.....	3.00	: 3.25
Cinnamic Alcohol, liquid 1 lb bot.....	10.00	: 14.00
Crystallizable	12.00	: 16.00
Cinnamic Aldehyde, 1 lb bot.....	3.20	: 3.50
CITRONELLOL, 1 lb bot.....	8.00	: 11.00
Citronellyl Acetate, 1 lb bot.....	12.00	: 13.00
COUMARIN, 25 lb cans.....	4.50	: 4.65
DIETHYL PHTHALATE, 25 lb cans.....	.55	: .65
1000 lb dra. ....	.45	: .50
Diphenylsulfide, 25 lb tins.....	.85	: .90
Ethyl Acetate, pure, 5 lb bot.....	.45	: .50
Ethyl Benzate, 5 lb bot.....	1.85	: 2.00
Ethyl Butyrate, 5 lb bot.....	2.00	: 2.25
Ethyl Caproate, 1 lb bot.....	3.25	: 3.50
Ethyl Cinnamate, 1 lb bot.....	3.75	: 4.00
Ethyl Formate, 5 lb bot.....	2.00	: 2.10
Ethyl-methyl Paracresol, 1 lb bot.....	3.25	: 3.50
Ethyl Propionate, 1 lb bot.....	2.25	: 2.50
Ethyl Valerate, 5 lb bot.....	4.50	: 4.75
Ethyl Salicylate, 5 lb bot.....	3.25	: 3.50
Formic Ether, See Ethyl Formate		
Geranyl Acetate, 1 lb bot.....	4.25	: 4.75
Geranyl Butyrate, 1 lb bot.....	13.00	: 13.50
Geranyl Formate, 1 lb bot.....	12.00	: 12.50
Hydroxycitronellal, 1 lb bot.....	11.00	: 12.00
Heliotropin, dom., 10 lb bot.....	2.00	: 2.25
Imported	2.50	: 2.75
Indol, CP, 1 oz. bot.....	6.00	: 6.50
Ionone, 1 lb bot.....	5.00	: 9.00
Alpha	10.00	: 12.00
Beta	9.00	: 11.00
Methyl	12.50	: 15.00

Iso-Butyl Benzoate, 5 lb bot.....	4.75	: 5.00
Iso-Safrol, 1 lb bot. imported.....	5.35	: 5.50
Domestic, 5 lb bot.....	4.00	: 4.25
Linalyl Acetate, 1 lb bot. Dom.....	7.00	: 10.00
Imp., 1 lb bot.....	8.50	: 10.00
Linalyl Benzoate, 1 lb bot.....	13.00	: 14.00
Linalyl Formate, 5 lb bot.....	10.00	: 12.00
METHYL ANTHRANILATE, dom., 1 lb bot.....	3.25	: 3.75
Imported	4.50	: 5.00
Methyl Benzoate, 5 lb bot. import.....	3.00	: 2.25
Domestic, 5 lb bot.....	1.75	: 2.00
Methyl Cinnamate, 1 lb bot.....	3.75	: 4.00
Methyl Heptamene, 1 lb bot.....	8.00	: 8.25
Methyl Heptine Carbonate, 1 lb bot.....	50.00	: 70.00
Methyl Paracresol, 1 lb bot.....	8.00	: 9.00
Methyl Phenylacetate, 1 lb bot.....	6.25	: 6.50
Methyl Phenylacetate, 5 lb bot.....	6.00	: 6.50
METHYL SALICYLATE, USP 500 lb drums .....	...	: .45
50 lb cases .....	...	: .47
Second Hands .....	.43	: .44
Mirbane, rect., 1000 lb drums.....	.12 1/2	: .14
Musk Ambrette, 1 lb cans.....	14.00	: 15.00
Musk Ketone, 1 lb cans.....	14.00	: 15.00
Musk Xylene, 5 lb cans.....	3.50	: 3.75
Nerolin, 1 lb cans.....	1.65	: 2.00
Oenanthal Ether, 100%, 1 lb bot.....	2.25	: 3.00
Oenanthal Ether, 5 lb bot.....	1.25	: 1.50
Phenylacetaldehyde, Dom., 1 lb bot.....	8.00	: 10.00
Imported	12.00	: 14.00
Phenylacetic Acid, 1 lb bot.....	3.00	: 3.25
Phenyl Diacetate, 1 oz. bot.....	3.25	: 3.50
Phenyl propyl Alcohol, 1 lb bot.....	13.00	: 14.00
PHENYLETHYLALCOHOL, dom., 1 lb bot.....	8.00	: 10.00
Imported	7.75	: 9.75
Phenylethyl Butyrate, 1 lb bot.....	25.00	: 26.00
Phenylethyl Formate, 1 lb bot.....	18.00	: 19.00
Phenylethyl Propionate, 1 lb bot.....	19.00	: 20.00
Phenylethyl Valerate, 1 lb bot.....	22.50	: 26.00
Phenylpropylalcohol, 1 lb bot.....	15.00	: 16.00

Skatol, 1 oz. bot.....	9.25	: 10.00
TERPINEOL, CP, 1000 lb drums.....	.52	: .53
Cans 50 lb .....	.58	: .58
Imported, 25 lb cans.....	.95	: 1.20
Terpinyl Acetate, 25 lb cans.....	1.65	: 1.85
VANILLIN, USP, 400 oz. cans.....	.48	: .48 1/2
Cans, 16 oz., 80 oz.48 1/2	: .50
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1 lb cans.....	1.75	: 2.00

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Almond Meal, 25 lb cans.....	.28	: .30
Ambergris, black, bxs.....	...	: 8.00
Ambergris, gray, bxs.....	...	: 28.00
Balsam Copaiba, Para, 80 lb cases.....	.23	: .24
South American, 80 lb cases.....	.28	: .29
Balsam Peru, 120 lb cases.....	1.75	: 1.80
Balsam Tolu, 90 lb cases.....	2.25	: 2.35
Benzoin Gum, Siam, bxs.....	1.15	: 1.20
Castoreum, 1 lb bot.....	4.00	: 4.50
Chalk, precip. light, 175 lb bbls.....	.04 1/2	: .05
Cherry Laurel Water, 5 gal cans.....	1.15	: 1.25
Civet Abyssin, horns.....	2.75	: 3.75
Ladbanum, 5 lb bot.....	...	: 8.00
Lanolin hydrous, 350 lb bbls.....	.21	: .22
Anhydrous, 350 lb bbls.....	.23	: .24
Musk pods, Cabardine, tins.....	16.00	: 17.00
Tonquin, tins	22.00	: 25.00
Grains, Cabardine, tins.....	25.00	: 26.00
Tonquin, tins	35.00	: 38.00
Synthetic, See Aromatic Chemicals		
Orris Rt. Flor., powd. bbls.....	.09	: .11
Verona, bbls.....	.08	: .09
Petrolatum, snow white, 350 lb bbls.....	.12 1/2	: .13
Light Amber, 350 lb bbls.....	.04 1/2	: .05
Rice Starch, 140 lb bgs.....	.09	: .10
Rose Water, 5 gal chps.....	.90	: 1.10
Sandalwood chips, powd., bags.....	.30	: .35
Saponin, 5 lb tins.....	1.25	: 1.50
Talc Italian, 220 lb bgs.....	42.00	: 55.00
Talc French, 220 lb bags.....	32.00	: 45.00
Talc, domestic ref., 100 lb bags.....	20.00	: 30.00

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ALBUMIN—Blood, 38 bgs., Brown Bros. & Co., Liverpool; 15 bbls., Loan & Trust Co., Hamburg
ALCOHOL—Butyl, 1 bbl., De Mattia Chemicals, Inc., Havre
ALUMINUM—Sulfate, 2 cs., Chem. Electric Metal Products Trdg. Corp., Marseilles
AMMONIUM—Carbonate, 20 cks., Farmers Loan & Trust Co., Liverpool
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New York
Works: New Brunswick, N. J.

B. Richard & Co., London; Cumin, 17 bgs., Order, Liverpool; 257 bgs., Amer. Exp. Co., Marseilles; **Fennel**, 190 bgs., Order, Marseilles; **Foenugreek**, 188 bgs., Amer. Exp. Co., Liverpool; **Mustard**, 260 sks., R. F. Downing & Co., London; **Poppy**, 500 bgs., Fidelity Internatl. Trust Co., Trieste; **Stramonium**, 2 bls., Order, Hamburg
SHELLAC—400 bgs., Chase Nat. Bk., Calcutta; 450 bgs., London & Braz. Bk., Calcutta; 600 bgs., Anglo So. Amer. Bk., Calcutta; 2,489 bgs., Order, Calcutta; 100 bgs., General Electric Co., Colombo; 634 bgs., Order, Southampton; 100 bgs., W. Brandts Sons & Co., Calcutta; 100 bgs., J. W. Green & Co., Calcutta; 2,442 bgs., Order, Calcutta; 10 bgs., Order, Calcutta; **Garnet**, 50 bgs., Irving Bk., Hamburg; **Seed Lac**, 106 bgs., Order, Calcutta; **Sticklac**, 94 cs., Order, Marseilles

SILVER—Sulfide, 81 cs., Watson Geach & Co., Antofagasta

SODIUM SALTS—Bifluoride, 6 cks., Innis Speiden & Co., Hamburg; **Chlorate**, 38 cs., Order, Genoa; **Nitrate**, 4,526 bgs., Wessel Duval & Co., Meillon; 6,872 sks., W. R. Grace & Co., Meillon; 7,866 sks., A. Gibbs & Co., Meillon; 14,876 sks., W. R. Grace & Co., Antofagasta; **Prussiate**, 18 cks., Order, Liverpool; 8 bbls., Fezandie & Sperrle, Havre; **Sulfite**, 12 kegs, J. W. Hampton & Co., Bristol

SUMAC—350 bls., Core & Herbert, Palermo; 700 bls., 910 bgs., Order, Palermo

TALC—100 bgs., L. A. Salomon & Bro., Genoa; 300 bgs., Bankers Trust Co., Genoa

TAPIOCA—Pearl, 357 bgs., Order, London

TARTAR—194 bgs., C. Pfizer & Co., Marseilles; 404 bgs., Tartar Chem. Co., Marseilles; 94 bgs., C. Pfizer & Co., Lisbon

UMBER—33 cks., L. H. Butcher & Co., Hull

VANILLA BEANS—19 cs., G. Lueders & Co., Marseilles; 19 cs., Order, Marseilles

WAX—49 bgs., D. Troengrere, Lisbon; 46 bgs., Order, Lisbon; **Bees**, 60 bgs., Order, Liverpool; 31 bgs., D. Steengrafe, San Antonio; 25 bgs., D. Steengrafe, Valparaiso; **Mineral**, 107 bgs., Order, Hamburg; 21 bgs., Order, London; **Paraffin**, 15 drs., Order, London

WOODFLOUR—1,075 bgs., Innis Speiden & Co., Hamburg

WOOL GREASE—6 bbls., F. J. Markwalter & Co., Hull; 88 bbls., Elbert & Co., Hull; 52 cs., Order, Antwerp

ZINC—White, 125 bbls., Reichard Coulston, Inc., Marseilles

Imports at San Francisco for the week ending Nov. 3 included the following: On steamer President Taft, from Hongkong, to Balfour, Guthrie & Co., 10 cases ginger, to order 12 barrels wood oil, to Tai Hang Lung Co., 100 cases peanut oil; from Penang, to J. D. Spreckels Bros., 1,180 bags pepper; from Batavia, to J. D. Spreckels Bros., 250 bags pepper; from Colombo, to Paul I. Fagan Co., 100 bales cinnamon; from Shanghai, to M. N. Newhall & Co., 250 cases antimony regulus, and to order 100 barrels wood oil. On steamer Hollywood, from Cebu, to order 500 tons copra, and to Pacific Oil & Lead Works, 500 tons copra; from Manila to Victor Parron, 2,257 bags copra cake; from Kobe, to Charles Cable & Co., 100 drums cod oil.

Amsinck, Sonne & Co., New York, a newly organized company have purchased the business of G. Amsinck & Co., exporters and importers, from the American International Corporation. The associates in the new company are H. Christian Sonne, Fred W. Baumann, formerly co-partners of Huth & Co., and William T. Genth, recent partner of Huth & Co., Chile.

WORLD CUSTOMS REGULATIONS SIMPLIFIED

The American Section of the Chamber of Commerce has received a dispatch from Geneva, Switzerland, announcing the conclusion of the International Conference on Customs Formalities. Thirty-four nations are signing a detailed international convention aimed at overcoming many of the most vexatious aspects of customs regulations and custom house procedure in international trade.

When this convention comes into force, some of the following improvements in customs matters will be accomplished: Harsh financial penalties for clerical and other trivial errors in documents will be a thing of the past. Advertising matter will receive lenient and liberal customs treatment. Consular office hours in connection with the certification of invoices and other trade documents will coincide with the hours of business houses. Consular invoices and certificates of origin will be standardized, and exporters will no longer have to master the intricacies of the scores of varying documents.

WHEN A TANNERY BUYS—

Extracts, bichromates, colors, sodium sulphide, lime, oils, and a hundred other chemicals, should the purchasing agent depend entirely on the salesmen's say-so?

An accurate, timely and unbiased market report on all tanning and leather raw materials—every Wednesday in DRUG & CHEMICAL MARKETS.

To all subscribers, a 700-page Guide-Book and Directory of raw materials, chemicals, oils, extracts—2,500 products, with makers and suppliers fully listed. Cost of weekly paper and annual guide-book, \$4.00 per year.

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Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"
DRUG & CHEMICAL MARKETS
 3 Park Place, New York.

BUSINESS OPPORTUNITIES

PROFITABLE INVESTMENT—A going concern making fine chemicals requires \$10,000 additional capital to enlarge line. Will bear closest investigation of dividend records and management. Box 477, **DRUG & CHEMICAL MARKETS**.

SELLING AGENT'S desiring to get in touch with manufacturers and manufacturers desiring to get in touch with selling agents—try a want ad on these pages. **DRUG & CHEMICAL MARKETS** is read all over the world.

SOUTH AMERICAN TRADE—American salesman who has had thorough experience in pharmaceutical, proprietary and toilet goods lines in various Central and South American countries will sail for Rio next month for an extended business trip to all leading cities of Brazil, Argentina and Chili, and will carry on straight commission basis high grade non-competing goods in these fields. This is an opportunity to secure more than ordinary sales service in the rich South American export field. Box 483, **DRUG & CHEMICAL MARKETS**.

A LARGE ESTABLISHED chemical manufacturing concern is interested in increasing its holdings in the chemical field, either by the manufacture of additional products or by the acquisition of new properties, whereby possibly financial and sales assistance is needed. We are prepared at the present time to discuss this matter thoroughly, and if you write us at the address designated, we will gladly arrange for an interview. Box 463, **DRUG & CHEMICAL MARKETS**.

AGENCIES WANTED—Local distributor of industrial chemicals will add two or three more manufacturers products to his list. Have established trade in New England and trained salesmen calling on trade. Box 481, **DRUG & CHEMICAL MARKETS**.

EXPORT CHEMICAL EXECUTIVE, practical, responsible, experienced, with a proven record as a producer of business, desires connection as export manager of A-1 firm. Capable of taking full charge and producing business immediately. Well known to importers and consumers of drugs, chemicals and allied lines in Latin America. Agents in principal cities. References. Box 491, **DRUG & CHEMICAL MARKETS**.

AGGRESSIVE SALES REPRESENTATIVE in Cuba, covering the territory with trained salesmen, desires to represent American chemical or pharmaceutical manufacturers. Best business and bank references. Box 499, **DRUG & CHEMICAL MARKETS**.

BUSINESS OPPORTUNITIES

ARTISTS FOR MANUFACTURERS—Clever layouts, snappy designs, photo retouching for advertisements, booklets, catalogues. **JACOB STEIN STUDIO**, 432 Fourth Ave., N. Y. C.

WANT TO BUY a going chemical specialty or proprietary manufacturing business. No brokers, full particulars in confidence. Box 440, **DRUG & CHEMICAL MARKETS**.

DISTRIBUTORS WANTED for desirable toilet preparation sold by druggists, department stores and beauty shops. Profitable item—sample sent on request. Box 487, **DRUG & CHEMICAL MARKETS**.

PHARMACIST, traveler of Canada desires connection with a wholesale pharmaceutical house. Also seeks representations for Canada. Best references. Box 501, **DRUG & CHEMICAL MARKETS**.

SITUATIONS WANTED

SALESMAN—Advertiser has sold all sorts of industrial chemicals and will tackle any selling job with a reliable firm on a straight commission for six weeks to demonstrate his ability. Box 497, **DRUG & CHEMICAL MARKETS**.

CHEMICAL ENGINEER—Graduate of M. I. T. with nine years practical experience seeks a position of responsibility with opportunities for advancement. Able to assume full charge of plant making coal-tar products. Box 479, **DRUG & CHEMICAL MARKETS**.

LABORATORY ASSISTANT—Young Ph.D. chemist now in consulting office wants to work in the manufacturing field. Will begin at low salary if the work will give proper experience and holds promise of advancement. Box 406, **DRUG & CHEMICAL MARKETS**.

SALESMAN—Experienced, University graduate, is open for proposition, chemical or engineering line preferred. Box 493, **DRUG & CHEMICAL MARKETS**.

CHEMIST—Ten years' plant experience, experienced executive, vegetable oils, soaps, mineral oils, synthetic chemicals, pharmaceuticals, opportunity wanted to prove ability; now employed. Box 486, **DRUG & CHEMICAL MARKETS**.

EXTRACT CHEMIST—With wide experience along Imitation Flavors, True Fruits, Emulsions and allied products, for the bottling trade, bakery and household uses, seeks connection with progressive firm. Box 488, **DRUG & CHEMICAL MARKETS**.

SITUATIONS WANTED

CHEMIST—Mass. Institute Technology graduate considerable business and technical experience would like to hear from interested parties. Immediately available. Box 498, **DRUG & CHEMICAL MARKETS**.

PHARMACEUTICAL detail man of wide acquaintance, good address and experience is open for engagement. Box 484, **DRUG & CHEMICAL MARKETS**.

ADMINISTRATOR—Graduate chemist for ten years directing manufacture of intermediates wants new connection. Past performance bears evidence of his success. Box 502, **DRUG & CHEMICAL MARKETS**.

INDUSTRIAL CHEMIST—With doctor's degree German University and fifteen years manufacturing experience mainly in organic lines seeks position in plant laboratory or sales force. Box 489, **DRUG & CHEMICAL MARKETS**.

PLANT MANAGER—Chemical Engineer, 41 years old, three college degrees, sixteen years practical experience will be available January 1st. Will not consider any but high class proposition with well established house. Is able to completely take charge of any chemical plant and is not only a trained technician but a good executive. Highest references. Box 495, **DRUG & CHEMICAL MARKETS**.

HIGH GRADE Certified Public Accountant with thorough pharmaceutical knowledge wants connection with sound mercantile or manufacturing concern. Registered Pharmacist with several years experience and demonstrated ability in auditing, organizing, financing, credits and office management. Federal tax expert. Permanent position with assured future desired. Box 492, **DRUG & CHEMICAL MARKETS**.

PHARMACEUTICAL CHEMICALS—Experienced, reliable salesman with good record is open for a position with future opportunity for a man who can produce real results. Box 404, **DRUG & CHEMICAL MARKETS**.

CHEMIST—Recent graduate Berlin University seeks position as chemist or assistant in or out of New York City, or vicinity. American references and credentials of higher character. Box 485, **DRUG & CHEMICAL MARKETS**.

A MAN who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

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96 Werner & Pfleiderer Mixers Size 15,
 Type B.B. Write for details and prices.

Old Hickory Powder Plant
 Jacksonville, Tennessee

HELP WANTED

SALESMAN—Leading dye dealer wants an experienced man on salary and commission. Box 462, DRUG & CHEMICAL MARKETS.

SALESMEN OR AGENTS—For several districts in the United States, Canada, Mexico, Cuba, South America, etc., which are now calling on the wholesale and retail trade can handle our well advertised specialties as a side line. No competition. Unlimited demand. P. O. Box 342, Passaic, N. J.

CHEMICAL ENGINEER—An established chemical corporation requires the services of a high grade chemical engineer to take control of production in large plant in the Metropolitan district. Applications from thoroughly experienced men of proved competency only will be considered, and knowledge of industrial processes supported by forceful personality and executive ability is required. Salary commensurate. Box 478, DRUG & CHEMICAL MARKETS.

SHIPPING and ORDER CLERK wanted to take charge of New York warehouse. Write fully on experience and salary. Box 480, DRUG & CHEMICAL MARKETS.

HELP WANTED

NOT WANTED—Order-takers; but we need two real salesmen with training in dye field, and are willing to pay well for men who can really develop business. Box 475, DRUG & CHEMICAL MARKETS.

BUYER for a large manufacturer of toilet preparations. Must be familiar with both essential and fixed oils. Kindly give full particulars as to experience. Box 482, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

WANTED—All sizes and quantities of new and second hand carboys, steel drums and wooden barrels. Box 500, DRUG & CHEMICAL MARKETS.

FOR SALE—8,000 improved mailing tubes, screw top $1\frac{1}{2}$ " diameter, 8" deep. Never used. \$15.00 per 1,000—1,000 lots and over. Corrugated Box Supply Co., 27 So. 5th Street, Brooklyn, N. Y.

FOR SALE—One Worthington pump 6 x 4 x 6. Also several storage tanks. Box 441, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

FOR SALE—One Motor Driven Standard Cap and Seal Corporation String Tying Machine. Ties and seals paper caps on bottles. Equipment will permit using machine on bottles from 2 to 32 ounces. Reason for selling—we have discontinued use of paper caps for finishing bottles. Macy's Factory, 35th Street, corner 11th Avenue, N. Y. C.

FOR SALE—500 gallon cedar tanks practically new in the Newark district. Dealers need not apply. Box 467, DRUG & CHEMICAL MARKETS.

FOR SALE—Bradford type mill 28" stone made by O'wille Simpson, in A-1 condition. Box 467, DRUG & CHEMICAL MARKETS.

WANTED TO BUY—Laboratory apparatus, scales, platinum. Box 464, DRUG & CHEMICAL MARKETS.

MISCELLANEOUS

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.



View taken from an airplane in 1921

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A. - G.

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Buyers' Guide

For full particulars as to products and addresses see Index of Advertisers on the page following.

HEAVY CHEMICALS

J. T. Baker Chemical Co.	A. Klipstein & Co.
Battelle & Renwick	Chas. Lennig & Co., Inc.
Chilean Nitrate Committee	Meteor Products Co.
Church & Dwight	Mathieson Alkali Works, Inc.
The Cleveland-Cliffs Iron Co.	The Miner-Edgar Co.
Chas. Cooper & Co.	Monsanto Chemical Works.
Diamond Alkali Co.	Clarence Morgan & Co.
The Dow Chemical Co.	The New Brunswick Chem. Co.
E. I. du Pont de Nemours & Co.	Orelite Co., Inc.
Ellis Jackson & Co.	Henry W. Peabody & Co.
English China Clays Sales Corp.	Nichols Copper Co.
B. G. Feinberg	Pfaltz & Bauer
General Chemical Co.	Roessler & Hasselacher Chem.
Grasselli Chemical Co.	Seaboard Chemical Co.
W. F. George Chemicals, Inc.	Semet Solvay Co.
Wm. S. Gray & Co.	E. M. Sergeant Co.
R. W. Greeff & Co.	Solvay Process Co.
Chas. Hardy & Ruperti, Inc.	Thorikidsen-Mather Co.
Harshaw, Fuller & Goodwin Co.	Victor Chemical Works
Hans Hinrichs Chem. Corp.	The Warner Chemical Co.
Edward Hill's Son & Co.	E. H. Watson
Industrial Chemical Co.	Wilkes-Martin-Wilckes Co.
International Salt Co.	Isaac Winkler & Bro. Co.
Jayne & Sidebottom, Inc.	Wishnick-Tumpeier Chemical Co.
	Jacques Wolf & Co.

FINE CHEMICALS

Abbott Laboratories	Mallinckrodt Chemical Works
Baird & McGuire	Mathieson Alkali Wks., Inc.
J. T. Baker Chemical Co.	May & Baker
David Berg Industrial Alcohol Co.	Meteor Products Co.
Carbide & Carbon Chem. Corp.	H. A. Metz & Co.
Antoine Chiris Co.	The Miner-Edgar Co.
Commonwealth Chemical Corp.	Monsanto Chemical Works
Charles Cooper & Co.	Clarence Morgan & Co.
Darco Sales Corp.	N. Y. Quinine & Chem. Works
J. E. Dockendorff & Co.	The Norvell Chemical Corp.
The Dow Chemical Co.	Perth Amboy Chem. Wks.
Eastman Kodak Co.	Pfaltz & Bauer
Electro Bleaching Gas Co.	Powers-Weighman-Rosengarten
B. G. Feinberg	B. Presman Company
E. Fougera & Co.	Roessler & Hasselacher Chem. Co.
The Fries & Fries Co.	Rhodia Chem. Co.
William S. Gray & Co.	C. P. Schlicke
Chas. Hardy & Ruperti, Inc.	Shima Trading Co., Ltd.
Harshaw, Fuller & Goodwin Co.	Thorikidsen-Mather Co.
Hans Hinrichs Chem. Corp.	Geo. Uhe
Hoffmann-LaRoche Chem. Wks.	Ungerer & Co.
Industrial Chemical Co.	U. S. Industrial Chemical Co.
Jayne & Sidebottom, Inc.	Victor Chemical Works
A. Klipstein & Co.	Victor & Hosken
Magnus, Mabee & Reynard, Inc.	Wilkes-Martin-Wilckes Co.
	Wishnick-Tumpeier Chemical Co.

DYESTUFFS

Calco Chemical Co.	The Heller & Merz Co.
John Campbell & Co.	H. A. Metz & Co.
Dow Chemical Co.	National Aniline & Chemical Co.
Dye Products & Chem. Co.	The New Brunswick Chem. Co.
E. I. du Pont de Nemours & Co.	Newport Chemical Works
Ellis Jackson & Co.	Pharma-Chemical Corp.
A. Klipstein & Co.	Southern Dyestuffs Co.
Gary Chem. Co.	Wishnick-Tumpeier Chemical Co.
Grasselli Chemical Co.	Jacques Wolf & Co.

COAL TAR PRODUCTS

Abbott Laboratories	A. Klipstein & Co.
Baird & McGuire	H. A. Metz & Company
The Barrett Co.	Monsanto Chemical Works
Calco Chemical Co.	National Aniline & Chemical Co.
John Campbell & Co.	Newport Chemical Works
Dovan Chemical Co.	The Norvell Chemical Corp.
E. I. du Pont de Nemours & Co.	Southern Dyestuffs Co.
Dye Products & Chem. Co.	E. H. Watson
The Heller & Merz Co.	Weiss & Downs
Jordan Coal Tar Products Co.	

FATTY OILS

Antoine Chiris Co.	Jacques Wolf & Co.
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ESSENTIAL OILS

M. L. Barrett & Co.	Magnus, Mabee & Reynard, Inc.
Belgian Trading Co.	Morana, Incorporated
W. J. Bush & Co.	Clarence Morgan & Co.
Antoine Chiris Co.	Pfaltz & Bauer, Inc.
Delphi Products, Inc.	Geo. Uhe
J. E. Dockendorff & Co.	Ungerer & Co.
The Fries & Fries Co.	Victor & Hosken
Fritzsche Bros.	

CRUDE DRUGS

M. L. Barrett & Co.	Magnus, Mabee & Reynard, Inc.
W. J. Bush & Co.	B. Presman Company
Eugene Donzelot & Son	Shima Trading Co., Ltd.
Hoffmann-LaRoche Chem. Wks.	Arthur Stallman & Co.
H. R. Lathrop & Co.	

EQUIPMENT

Armstrong Cork Co.	The Cleveland Cooperage Co.
Buffalo Foundry & Machine Co.	Old Hickory Powder Plant

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Cleves Acid
Para Nitro Toluol
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Meta Phenylene Diamine
Meta Toluylene Diamine



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ACETONE	ETHYL OXALATE
AMMONIUM SALTS	ETHYL PHTHALATE
AMYL ACETATE	ETHYLENE
CARBON DIOXIDE	ISOBUTYL ALCOHOL
ETHER, ABSOLUTE	ISOPROPYL ALCOHOL
ETHER, ANESTHESIA	IODINE, DISTILLED
ETHER, U. S. P.	MONACETIN
ETHYL ACETATE	NORMAL PROPYL ALCOHOL
ETHYL ACETO-ACETATE	POTASH SALTS
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AMYL ALCOHOL	TINCTURE IODINE

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BOSTON 131 Beverly St. Boston 14, Mass.	CLEVELAND Perry Payne Bldg.	NEWARK 238 Wilson Ave.
BUFFALO 4th and Jersey Sts.	DETROIT Union Trust Bldg.	PHILADELPHIA 141 No. Front St.
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Jacques Wolf & Co.	1194

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"We are pleased to inform you as to the merits of your Embossed Hydrosal Wood Top Cork, having found same satisfactory from a manufacturing point of view, also improving the appearance of the bottle. The cork can easily be removed and replaced without touching the cork proper, and the top prevents dust from accumulating on the lip of the bottle while not in use, making our package more sanitary."

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